

SEQUENCE LISTING

<110> Xu, Jiangchun
Stolk, John A.
Algate, Paul A.
Fling, Steven P.

<120> COMPOSITIONS AND METHODS FOR THE
THERAPY AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.484C5

<140> US

<141> 2001-04-03

<160> 215

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<210> 1

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<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

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caggatcttg	gggagtatag	ttgctggatg	catctatttc	ctgagggtaa	atatacctct	300
ggncgacg	gccgctcgag	tctagagggc	ccgtttaaac	ccgctgatca	gcctcgactg	360
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<211> 396

<212> DNA

<213> Homo sapien

<400> 2

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tagagaaaaa	tagattataa	aacaacctgg	aggtcacagg	attctgagat	aatccctctg	240
ttaaaaaaca	tctgaacagc	aaatgtccaa	tctgtaataa	aatagttaaa	ggtccaagtc	300
aagtccactt	ctacttggct	ggcccagcac	aagaaatcta	acagcacttt	gtaatcattt	360
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<210> 3

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<212> DNA

<213> Homo sapien

"the end" here

<223> n = A, T, C or G

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gggtgagggg	gcatctactc	ctnttgcaac	aagccaaaag	tagaacagcc	taaggaaaag	180
tgacctgcct	tggagcctta	gtccctccct	tagggccccc	tcagcctacc	ctatccaagt	240
ctgaggctat	ggaagtctcc	ctcctagttc	actagcaggt	tccccatctt	ttccaggctg	300
ccctagcac	tccacgtttt	tctgaaaaaa	tctanacagg	cccttttttg	gtacctaaaa	360
cccagctgag	gttgtgagct	tgtaaggtaa	agcaag			396

<213> Homo sapien

<223> n = A, T, C or G

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gccagcctcc	tgcgatcaga	agagaccaat	cgaaaatgag	ggtttcacan	tcacagctga	180
aggaaaaggc	caaggcacct	tgtcgngngn	gacaatgtac	catgctaagg	ccaaagatca	240
actcacctgt	aataaattcg	acctcaaggt	caccataaaa	ccagcacaag	aacagaaaaa	300
gaggccnag	gatgcccaag	aaacactttt	gatcctttga	aaactgtacc	aaggtaccgg	360
ggggagaccc	aggaaaaggnc	cnttatgtnt	nnntnt			396

<213> Homo sapien

<223> n = A, T, C or G

gacgccggag	ctgccgcgcc	agtcgcctag	caggtcctct	accggcttat	tctctgtccg	60
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ttctcttcc	ctctngttta	gtttgcttgg	gagcttgaaa	ggagaaaagca	cnnggggtcg	180
ccaaaacct	ttctgcttct	gcccatcaca	agtgccacta	cgcctatggg	cctcactatc	240
tctctccct	tctcccgact	atttggaag	aagcagatgc	gcattttgat	ggttggttg	300
gatgctgctg	gcaagacaac	cattcttgat	aaactgaaag	tangganat	aagnaccacc	360
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<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

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 ccccgggccc tgcccttccc ctggagccat gctggggcct agcccgggtc cctcgccggg 180
 ctccgcccac agcatgatgg ggcccagccc angggcccgc ctcagcagga caccatcc 240
 ccaccagggg gcctggaggg taccctcagg acaacatgca ccagatgcac aagcccatgg 300
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 ggatgcggtc agggggccat gctgggatgg ggcccc 396

<210> 7
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 <212> DNA
 <213> Homo sapien

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 ctgcccgaag gccccgcgcg ccgctccagc gccgcgcagc caccgcgcgc gccgccgctt 180
 ctcttagtgc gccgccatga cgaccgcgtc caccctgcag gtgcgccaga actaccacca 240
 ggactcagag gccgccatca accgccagat caacctggag ctctacgcct cctacgttta 300
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 ctttcttcac caatctcatg aggagaggga acatgc 396

<210> 8
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 <212> DNA
 <213> Homo sapien

<400> 8
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 tgctaccttg gtaggaaact tatttacaaa ccatattaaa aggctaattt aaatataaat 120
 aatataaagt gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180
 aaaccacca aatgaccaag gcatatatag tatttgaggg aatcaggggg ttggaaggag 240
 tagggaggag aatgaaggaa aatgaacca gcatgattat agtgtgttca tttagataaa 300
 agtagaaggc acaggagagg tagcaaaggc caggcttttc tttggttttc ttcaaacata 360
 ggtgaaaaaa aactgcccac tcacaagtca aggaac 396

<210> 9
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 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

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 agtgctacca gtgtgaagaa ttccagctga acaacgactg ctctccccc gagttcattg 120
 tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg 180

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<210> 10
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<212> DNA
<213> Homo sapien
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<223> n = A,T,C or G
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<210> 11
<211> 396
<212> DNA
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<210> 13
<211> 396
<212> DNA
<213> Homo sapien
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<400> 13

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ggccatcgcc	accctgtgct	tcagccccgc	ccacgagacc	catctcttca	cggcctccta	180
tgacaagcgg	atcatcctct	gggacatcgg	ggtgccccaa	caggactacg	aattccaggc	240
cagccagctg	ctcacactgg	acaccacctc	tatccccctg	cgctcttgcc	ctgtcgctc	300
ctgcccggac	gcccgcctgc	tggccggctg	cgaggggcgg	tgctgctgct	gggacgtgcg	360
gctggaccag	ccccaaaaga	ggaggggtgt	tgaagt			396

<210> 14

<211> 396

<212> DNA

<213> Homo sapien

<400> 14

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gccgtgatgc	ccaggaaga	cagggcgacc	tggaagtcca	actacttct	taagatcatc	120
caactattgg	atgattatcc	gaaatgtttc	attgtgggag	cagacaatgt	gggctccaag	180
cagatgcagc	agatccgcat	gtcccttcgc	gggaaggctg	tggtgctgat	gggcaagaac	240
accatgatgc	gcaaggccat	ccgagggcac	ctggaaaaca	acccagctct	ggagaaactg	300
ctgcctcata	tccgggggaa	tgtgggcttt	gtgttcacca	aggaggacct	cactgagatc	360
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<210> 15

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 15

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gggggaccag	acggtctcag	acaatgagct	ccaggaatg	tccaatcagg	gaagtaagta	180
cgtcaataag	gaaattcaaa	atgcttgtca	acggggtgaa	acagataaag	actctcatag	240
aaaaaaciaa	cgaagagcgc	aagacactgc	tcagcaacct	agaagaagcc	aagaagaaga	300
aagaggatgc	cctaaatgag	accaggggaat	canagacaaa	gctgaaggag	ctcccaggag	360
tgtgcaatga	gaccatgatg	gccctctggg	aagagt			396

<210> 16

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 16

tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttngggggg	120
nnnaaanttt	tttntnanan	nnnngggnaa	aaaaaaaaaa	aanaangggg	gnntnnggc	180
ccnnnanaaa	aaaannngna	annaancccc	ccnnnnnnnc	ccnennntnn	ggaaananna	240

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<210> 17
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<212> DNA
<213> Homo sapien
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<210> 18
<211> 396
<212> DNA
<213> Homo sapien
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<223> n = A,T,C or G
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<211> 396
<212> DNA
<213> Homo sapien
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<223> n = A,T,C or G
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<210> 20

<211> 396
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 20
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 ttctnttgnc ctttcgtaca gggaggaatt tgaagtaaan anaaaccnac ctggattact 180
 ccggtctgaa ctcaaatac gtaggacttt aatcggtgaa caaacaacc tttaatagcg 240
 gctgcncat tgggatgtcc tgatccaaca tcgaggncgt aaaccctatt gttgatatgg 300
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<210> 21
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 21
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 ctntnataac cctnaacacc cactccctct tanccaatat tgtgcctatt gccatactag 180
 tntttgccgc ctgcnaagca gngngggcc tanccntact agnctcaatc tccaacacnt 240
 atggcctana ctacgtacat aacctaaacc tactcnaatg ctaaaactaa tcnncccaac 300
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<210> 22
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 22
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 gactcataaa tgggtgctggg ggaaggggtgc agcaacgatt tctcaccaa tcactacaca 120
 ggacagcaaa ggggtgagaa ggggctgagg gaggaagaagc caggaaactg agatcagcag 180
 agggagccaa gcatcaaaaa acaggagatg ctgaagctgc gatgaccagc atcattttct 240
 taanagaaca ttcaaggatt tgatcatgat gctgggcttt cactgggtgt taagtctaca 300
 aacagcacct tcaattgaaa ctgtcaatta aagttcttaa gatttaggaa gtggtggagc 360
 ttggaaagtt atgagattac aaaattcctg aaagtc 396

<210> 23

4425660

<211> 396
 <212> DNA
 <213> Homo sapien

<400> 23

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gcaggcctgt	gaggttttca	tatcctgaag	agatgtattt	taaagctttt	ttttttta	120
gaaaaaatgt	cagacacaca	caaaagtaga	atagtaccat	ggagtcccca	cgtaccagc	180
ctgcagcttc	aacagttacc	acatttgcca	accggagaga	ctgccaaggc	aggaaaaagc	240
cctggaaaagc	ccacggcccc	tttttccctt	gggtcagagg	ccttagagct	ggctgcaaaa	300
gcagccaacc	aaaggggcag	ctcagctcct	tcgtggcacc	agcagtgttc	ctgatgcagt	360
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 <212> DNA
 <213> Homo sapien

<220>
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 <223> n = A,T,C or G

<400> 24

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taagtataaa	tgaatttgca	taccaggttt	tacacttgca	tctctaatag	agattaaaaa	180
caacaaattg	gcctcttcct	aagtatatta	atatcattta	tccttacatt	ttatgcctcc	240
ccctaaatta	atgactgagt	tggtggaaaag	cggctagggt	ttattcatac	tgttttttgt	300
tctcaacttc	aanagtaatc	tacctctgaa	aaatttntan	tttaatattn	nnnnnnagga	360
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 <212> DNA
 <213> Homo sapien

<220>
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 <223> n = A,T,C or G

<400> 25

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ttaanacata	tacaanaaga	tgctttttcc	tgagtagaat	gcaaactttt	atattaagct	180
tctttgaatt	ttcaaaatgt	aaaataccaa	ggctttttca	catcagacaa	aaatcaggaa	240
tgttcacctt	cacatccaaa	aagaaaaaaa	aaaaaaancc	aattttcaag	ttgaagttna	300
ncaanaatga	tgtaaaatct	gaaaaaagtg	gccaaaattt	taanttncaa	canannngnn	360
ncagnttttna	tggtatctnt	nnnnnncttc	nnntnn			396

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 <212> DNA
 <213> Homo sapien

<220>

"TGAAGAGTTG" ATGTCTTTGA

$\langle 220 \rangle$

<400> 29

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<211> 396
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<213> Homo sapien
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<400> 30

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<400> 31

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<220>

<400> 32

<210> 33

<212> DNA

$\langle 220 \rangle$

$\langle 222 \rangle$ (1) ... (396)

<400> 33

<210> 34

<211> 396

<212> DNA

 $\langle 220 \rangle$

$\langle 222 \rangle$ (1) ... (396)

<400> 34

<210> 35

<211> 396

<212> DNA

<400> 35

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<210> 36
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<212> DNA
<213> Homo sapien
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<212> DNA
<213> Homo sapien
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<223> n = A,T,C or G
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<210> 38
<211> 396
<212> DNA
<213> Homo sapien
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<210> 39
<211> 396

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<212> DNA
<213> Homo sapien

<400> 39

tcgaccaaga atagatgctg actgtactcc tcccaggcgc cccttcccc tccaatccca	60
ccaaccctca gagccacccc taaagagata ctttgatatt ttcaacgcag cctgctttg	120
ggctgccctg gtgctgccac acttcaggct cttctccttt cacaacctc tgtggctcac	180
agaacctttg gagccaatgg agactgtctc aagagggcac tggaggcccg acagcctggc	240
acagggcaag tgggacaggg catggccagg tggccactcc agaccctgg cttttcactg	300
ctggctgcct tagaaccttt cttacattag cagtttgctt tgtatgcact ttgtttttt	360
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<210> 40
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<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 40

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agctaggcat gggaggggaa aaggaaaaca tggaaaccaa agggaactgc agcgagagca	120
caaagattct aggatactgc gagcaaatgg ggtggagggg tgctctcctg agctacagaa	180
ggaatgatct ggtgggttaan ataaaacaca agtcaaactt attcgagttg tccacagtca	240
gcaatggtga tcttcttgct ggtcttgcca ttcctggacc caaagcgctc catggcctcc	300
acaatattca tgccttcttt cactttgcca aacaccacat gcttgccatc caaccactca	360
gtcttggcag tgcanatgaa aaactgggaa ccattt	396

<210> 41
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<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 41

tcgacctctt gtgtagtcac ttctgattct gacaatcaat caatcaatgg cctagagcac	60
tgactgttaa cacaaacgtc actagcaaag tagcaacagc tttaagtcta aatacaaagc	120
tgttctgtgt gagaattttt taaaaggcta cttgtataat aacccttgtc atttttaag	180
tacaaaacgc tattaagtgg cttagaattt gaacatttgt ggtctttatt tactttgctt	240
cgtgtgtggg caaagcaaca tcttccttaa atatataatta cccaaagnaa aagcaagaag	300
ccagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat	360
ggtgagaggg aaggcatgag agggcaagtt tgttgt	396

<210> 42
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<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(396)
 <223> n = A,T,C or G

<400> 42

cttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
aaaanccnna	nnaananang	gnaannnnann	aaaaaannca	aaccncntnt	anaaaangcc	120
nntntnaggg	gggggggttca	aaaccaaang	gnngntngga	ngnaaananna	aaanttnnnn	180
gggggnanaa	anaaaaaggg	nngaaanntg	accnanaaan	gaccngaaan	cccgggaaac	240
cnngggntan	aaaaaaagnt	ganccctaaa	nncccccgna	aaanggggga	agggnaannc	300
caaatccnnt	gnngggttgg	ggnggggaaa	aaaaaaaacc	cnaaaaantg	naaaaaaccg	360
ggnttnaaan	atttgggttc	gggggntttt	tnttaa			396

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<220>
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 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 43

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tgcactttaa	gatgaactaa	cttttgggat	tctcttcaaa	gaaggaaagt	attgctccat	180
ctgtgctttt	cttanactaa	aagcatactg	canaaaactc	tattttaaaa	atcaacactg	240
cagggtagag	taacatagta	aagtacctgc	ctattttana	atcctanaga	acatttcatt	300
gtaagaaact	agccatttat	ttaagtgtcc	acagtatttt	tcatttcant	ggccaagat	360
gccaaagggtt	ccaaacacaa	tctgtttctc	taatac			396

<210> 44
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 <212> DNA
 <213> Homo sapien

<400> 44

gacctagttt	tacctcttaa	atatctctgt	tcccttctaa	gttgtttgct	gtgttttctt	60
cagagcaaga	aggttatatt	ttttaaaatt	tacttagtaa	tgcacattca	aaacacacat	120
caagtcttca	ggataaagt	caaaaccgct	gtcatggccc	catgtgatct	ctccctcccc	180
tacctctcta	tcatttagtt	tcttctgocg	aagccactct	ggcttccttt	cagttttgtg	240
gttcccgttt	ttagctagtt	cagtgggttt	caatgggcat	ttcttgccct	tttttttcta	300
aacgacaaat	agaaatacat	cttctttatt	atcctccaaa	tccaattcag	aggtaatatg	360
ctccacctac	acacaatttt	agaaataaat	taaaaa			396

<210> 45
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 45

tttttttttt	ttttaaannt	tntaaatttt	taatgaaann	ganttagaac	aatgtattat	60
------------	------------	------------	------------	------------	------------	----

```
<210> 46
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 47
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 48
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or
```

<400> 48
ctgggcctgt gccgaagggt ctgggcagat cttccaaaga tgtacaaaat gtagaaattg 60

ccctcaagca aatgcaaaga tgctcaacac ccttagtcat caagaaaatg caaatggaat 120
 ccacagagag atactgcaca ctgacaaaga tggctcgtatt actaaagggtg aataaccagc 180
 gcgggggggca cgtggagtca ctggaacatt tgtgcaatgc tgggtgggaat gtcaaccctgt 240
 gcggccctct ggaataagcc tggcagctcc tccaagagtt acccggtgtga cccagcaatt 300
 ccactcctag ctccaccac aggaattgaa agcaaagacg caaacagatg cctgtgcacc 360
 aaagttcacg gcagcatcct tcgccatagt ggnaan 396

<210> 49
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 49

accccaaaat gggaaaggaa aagactcata tnaacattgn cgtnattgga cacgtacatt 60
 cggncaaagtn caccactact ggncaatntga tntataaatg cggnggcacg gacanaanaa 120
 ccatngnaan atttganaag gaggtcgtctg atatnggaaa gggctccntc nantntgcct 180
 gggctcttga tnaactgaaa nctgancntg aacgtggntt caccattgat atctncttgt 240
 ggaaatntna gaccancann tactatgtna ctatcattga tgccccagga cacaganact 300
 ttatcnaaan catgattacn nggacatnta nagctgactg tgctngcctg attgtngctg 360
 ctggtgttgg tgaatttgaa nctggtatnt ccaana 396

<210> 50
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 50

cgacttcttg ctggtgggtg gggcagtttg gtttagtggt atactttggt ctaagtattt 60
 gagttaaaact gcttttttgc taatgagtgg gctggttggt agcaggttg ttttctctgc 120
 tggtgattgt tactagtggc attaactttt agaatttggg ctggtgagat taattttttt 180
 taatatccca gctagagata tggcctttta ctgacctaaa gaggtgtggt gtgatttaat 240
 tttttccogt tcctttttct tcagtaaacc caacaatagt ctaaccttaa aaattgagtt 300
 gatgtcctta taggtcacta ccctaaata aacctgaagc aggtgttttc tcttgacat 360
 actaaaaaat acctaaaagg aagcttagat gggctg 396

<210> 51
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 51

ttttttttt ttcagcgngg atttatttta tttcattttt tactctcaag anaaagaana 60
 gttactattg caggaacaga cattttttta aaaagcgaaa ctctgacac ccttaaaaca 120
 gaaaacattg ttattcacat aataatgngg ggctctgtct ctgccgacag gggctgggtt 180
 cgggcattag ctgtgccgtc gacaatagcc ccattcaccc cattcataaa tgctgctgct 240
 acaggaaggg aacagcggct ctccanaga gggatccacc ctggaacacg agtcacctcc 300
 aaagagctgc gactgtttga naatctgcc aaggaaaac cactcaatgg gacctgata 360

396

```
<210> 52
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 52

acctcgctaa	gtgttcgcta	cgcggggcta	cggatcggg	cggaaatggc	agaggtggag	60
gagacactga	agcgactgca	nagccagaag	ggagtgcagg	gaatcatcgt	cgtgaacaca	120
gaaggcattc	ccatcaagag	caccatggac	aaccccacca	ccacccagta	tgccagcctc	180
atgcacagnt	tcattctgaa	ggcacggagc	accgtgcgtg	acatcgacc	ccagaacgat	240
ctcaccttcc	ttcgaattcg	ctccaagaaa	aatgaaatta	tggttgacc	agataaagac	300
tatttcctga	ttgtgattca	gaatccaacc	gaataagcca	ctctcttggc	tccctgtgtc	360
attccttaat	ttaatgcccc	ccaagaatgt	taatgt			396

```
<210> 53
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 53

t	t	t	t	t	t	60
t	t	t	t	t	t	120
t	t	t	t	t	t	180
c	a	a	a	a	a	240
n	n	n	n	n	n	300
t	n	n	n	n	n	360
t	n	n	n	n	n	396

```
<210> 54
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 54

ctcttggggc	tgctgggact	cgcgtcggtt	ggcgactccc	ggacgtaggt	agtttggttg	60
gccgggttct	gaggccttgc	ttctctttac	ttttccactc	taggccacga	tgccgcagta	120
ccagacctgg	gaggagttca	gccgcgctgc	cgagaagctt	tacctcgctg	accctatgaa	180
ggcacgtgtg	gttctcaaat	ataggcattc	tgatgggaac	ttgtgtgta	aagtaacaga	240
tgatttagtt	tgtttggtgt	ataaaacaga	ccaagctcaa	gatgtaaaga	agattgagaa	300
attccacagt	caactaatgc	gacttatggt	agccaaggaa	gcccgcaatg	ttaccatgga	360

aactgantga atggtttgaa atgaagactt tgctgt

396

<210> 55
<211> 396
<212> DNA
<213> Homo sapien

<400> 55
cgacggtttg ccgccagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga 60
aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtccacc 120
actactggcc atctgatcta taaatgcggt ggcacgcaca aaagaacccat tgaaaaatgt 180
gagaaggagg ctgctgagat gggaaaaggc tccttcaagt atgcctgggt cttggataaa 240
ctgaaagctg agcgtgaacg tggatcacc attgatattc cttgtggaa atttgagacc 300
agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360
attacaggga catctcagcg tgactgtgct gtcctg 396

<210> 56
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 56
tttttttttt ttttttctca ttttaacttt ttaatgggtc tcaaaattct gtgacaaatt 60
tttggtcaag ttgtttccat taaaaagtac tgatttttaa aactaataac ttaaaactgc 120
cacacgcaa aaanaaaacc aaangngtcc acaaaacatt ctcctttcct tctgaagggt 180
ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaagt gccaatgaa 240
acaaacagtt ctganaccgt tcttcacca ctgattaana gtggggtggc aggtattagg 300
gataatattc atttagcctt ctgagctttc tgggcanact tggngacctt gccagctcca 360
gcagccttnt tgtccactgc tttgatgaca cccacc 396

<210> 57
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 57
cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tnaaaanntt 60
ntttttgcaa anccnancaa aaanggnngg aangaaaaan nggaaaaatt ntttttncnt 120
ntttgggaac nnnnagccct tnntttgaaa aaangnggnc ttaaaanngn tgaannaaag 180
gnnanncccn gntncttnnn tttaaaaana anggggngn ttttttttaa anaanatttt 240
ttttttccct aanancnnn anntgaaacn ngncnncn nctnncttna aagggnnaa 300
atnanangnn aaaaaanccc tnanccccc cccttanntt tncnannana naaagnctt 360
ttggngnctg naaaaanaan cttttttntt gcnttn 396

<210> 58
<211> 396
<212> DNA

<213> Homo sapien

<400> 58

cgacctcaaa	tatgcottat	tttgcacaaa	agactgcaa	ggacatgacc	agcagctggc	60
tacagcctcg	atttatattt	ctgtttgtgg	tgaactgatt	ttttttaaac	caaagttag	120
aaagagggtt	ttgaaatgcc	tatggtttct	ttgaatggta	aacttgagca	tcttttcaact	180
ttccagtagt	cagcaaagag	cagtttgaat	tttcttgtcg	cttcctatca	aaatattcag	240
agactcgagc	acagcaccca	gacttcatgc	gcccgtggaa	tgctcaccac	atgttggtcg	300
aagcggccga	ccactgactt	tgtgacttag	gcggtgtgtg	tgcttatgta	gagaacacgc	360
ttcaccccca	ctccccgtac	agtgcgcaca	ggcttt			396

<210> 59

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 59

cttttttttt	tttttttttt	tcagnggaaa	ataactttta	ttganacccc	accaactgca	60
aaatctgttc	ctggcattaa	gtccttctt	cctttgcaat	tcggtctttc	ttcagnggtc	120
ccatgaatgc	tttcttctcc	tccatggtct	ggaagcggcc	atggccaaac	ttggaggngg	180
tgtcaatgaa	cttaaggnc	atcttctcca	nagcccgcgc	cttcttctgc	accancaagg	240
acttgcgag	ggngagcacc	cgcttnttgg	ttcccaaccac	ncagcctttc	agcatgacaa	300
agtcattggt	cacttcacca	tagnggacaa	agccacccaa	agggttgatg	ctccttgga	360
aatagngcat	agtcacngga	ggcattgtnc	ttgatac			396

<210> 60

<211> 396

<212> DNA

<213> Homo sapien

<400> 60

acctcagctc	tcggcgcaag	gcccagcttc	cttcaaaaatg	tctactgttc	acgaaatcct	60
gtgcaagctc	agcttgagag	gtgatcactc	tacaccccca	agtgcataatg	ggctctgtcaa	120
agcctatact	aactttgatg	ctgagcggga	tgctttgaac	attgaaacag	ccatcaagac	180
caaagggtgtg	gatgagggtca	ccattgtcaa	cattttgacc	aaccgcagca	atgcacagag	240
acaggatatt	gccttcgcct	accagagaag	gacccaaaag	gaacttgcat	cagcactgaa	300
gtcagcctta	tctggccacc	tggagacggt	gattttgggc	ctattgaaga	cacctgctca	360
gtatgacgct	tctgagctaa	aagcttccat	gaaggg			396

<210> 61

<211> 396

<212> DNA

<213> Homo sapien

<400> 61

tagcttgtcg	gggacggtaa	ccgggacccg	gtgtctgtctc	ctgtgcgctt	cgcctcctaa	60
tccctagcca	ctatgcgtga	gtgcatctcc	atccacgttg	gccaggctgg	tgtccagatt	120
ggcaatgcct	gctgggagct	ctactgcctg	gaacacggca	tccagcccga	tggccagatg	180
ccaagtgaca	agaccattgg	gggaggagat	gactccttca	acaccttctt	cagtgaagacg	240
ggcgctggca	agcacgtgcc	ccgggctgtg	ttttagact	tggaaacccac	agtcattgat	300
gaagttcgca	ctggcaccta	ccgccagctc	ttccaccctg	agcagctcat	cacaggcaag	360
gaagatgctg	ccaataacta	tgcccagagg	cactac			396

<210> 62
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 62
 tcgacgtttc ctaaagaaaa ccaactotttg atcatggctc tctctgccag aattgtgtgc 60
 actctgtaac atctttgttg tagtctgttt ttcctaataa ctttggtact gtgctgtgaa 120
 agattacaga tttgaacatg tagtgtagct gctgttgagt tgtgaactgg tgggccgtat 180
 gtaacagctg accaacgtga agatactggg acttgatagc ctcttaagga aaatttgctt 240
 ccaaatttta agctggaaag ncaactggant aactttaaaa aagaattaca atacatggct 300
 ttttagaatt tcnttacgta tggttaagatt tgngtacaaa ttgaantgtc tgnctganc 360
 ctcaaccaat aaaatctcag tttatgaaan aaannn 396

<210> 63
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 63
 ttnttttttt ntntntnttt ttntcnttgn ttgnaacngaa cccggcgctn ntteccccacn 60
 nnnnacggcc gccntatttc annntntcnt canntannna ccgcaccctc ggactgcnnn 120
 tngggccccc cgcncnannc nccnncnccc anttncgcgc cgcgcgcgcc gccttttttt 180
 attggcnccc atnanaaccg gggncacctc ncangngcgc cnaaantngg ggcangactc 240
 anagggggcc atcaaccncc aagnncaanc tgganctcta caaacggcct acgntttntg 300
 nccatgnggg tagggnttta cccgcnatga tgannatggn aanaactttt ncaanccctt 360
 tattaaccaa tgnnggtgngg agacggaacn tggtta 396

<210> 64
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 64
 tcgacgtcgg ggttttctgc ttcaacagtg cttggacgga acccgggcgt cgttccccac 60
 cccggccggc cgcccatagc cagccctcgc tcacctcttc accgcaccct cggactgccc 120
 caaggccccc gccgcgcgtc cagcgcgcgc cagccaccgc cgcgcgcgcc gcctntnctt 180
 agtcgcgcgc atgacgaccg cgtccacctc gcaggtgcgc cagaactacc accaggactc 240
 agaggccgcc atcaaccgcc agatcaacct ggagctctac gcctcctacg tttacctgtc 300
 catgtcttac tactttgacc gcgatgatgt ggctttgaan aactttgcca aatactttct 360
 tcccaatctc atgaggagaa ggaacatgct ganaaa 396

<210> 65
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 65

tttttttttt	tttttttttt	tttttnacca	ataatgcttt	tattttccac	atcaanatta	60
atttatatgt	tagtttttagt	acaagtacta	aaatgtatac	ttnttgccct	aatagctaag	120
gnatacataa	gcttcacccat	acatnttgca	nccnctgtc	tgtcctatgt	cattgttata	180
aatgtanana	ttttaggaaa	ctnttttatt	caacctggga	catntatact	gtaggagtta	240
gcactgacct	gatgtnttat	ttaaaagtaa	tgnatattac	ctttacatat	attccttata	300
tattnaaacg	tatttccatg	ttatccagct	taaaatcaca	tggnnggttaa	aagcatgagt	360
tctgagtcaa	atctggactg	aaatcctgat	gctccc			396

<210> 66
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 66

tcgacttttt	tttttccagg	acattgtcat	aattttttat	tatgtatcaa	attgtcttca	60
atataagtta	caacttgatt	aaagttgata	gacatttgta	tctattttaa	gacaaaaaaaa	120
ttcttttatg	tacaatatct	tgtctagagt	ctagcaaata	tagtaccttt	cattgcagga	180
ttcttgctta	atataacaag	caaaaacaaa	caactgaaaa	aatataaacc	aaagcaaacc	240
aaaccccccg	ctcaactaca	aatgtcaata	ttgaatgaag	cattaaaaga	caaacataaa	300
gtaacttcag	cttttatcta	gcaatgcaga	atgaatacta	aaattagtgg	caaaaaaaca	360
aacaacaaac	aacaacaaa	acaaaacaaa	caaaca			396

<210> 67
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 67

acgcttttgt	ccttcatttt	aactgttatg	tcatactggt	atgttgacat	atttctttat	60
aagagaatag	aggcaaaagt	atagaactga	ggatcatttg	tatttttgag	ttggaaatta	120
tgaaacttca	ccatattatg	atcatacata	ttttgaagaa	cagactgacc	aaagctcacc	180
tgttttttgt	gttaggtgct	ttggctgaac	ttgattccag	cccccttttc	cctttgggtg	240
tgtgtatgtc	tcttcatttc	ctctcaaadc	ttcaactctt	gccccatgtc	tccttggcag	300
caggatgctg	gcatctgtgt	agtcctcata	ctgtttactg	ataaccacaca	aattcatttt	360
catggcagac	ctaagctcag	accctgcctt	gtcctg			396

<210> 68
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 68

acctgagtcc	tgtcctttct	ctctccccgg	acagcatgag	cttcaccact	cgctccacct	60
tctccaccaa	ctaccgggtc	ctgggctctg	tccaggcgcc	cagctacggc	gccccggccg	120
tcagcagcgc	ggccagcgtc	tatgcaggog	ctggggggtc	tggttccccg	atctccgtgt	180

```

cccgtccac cagcttcagg ggcggcatgg ggtccggggg cctggccacc gggatagccg 240
ggggtctggc aggaatggga ggcattccaga acgagaagga gaccatgcaa agcctgaacg 300
accgcctggc ctcttacctg gacagagtga ggagcctgga gaccgagaac cggaggctgg 360
agagcaaaat ccgggagcac ttggagaaga agggac 396

```

```

<210> 69
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 69
ntcncngnng ntgtggtntt ttttttaatt tttatntttt cttttttttt ctngctagcn 60
cttncctttt ttggaattnc ggtncctttt tntntcnatt ttttngacaa aaanaacctn 120
ttnttttnana ccanagnnng gnnacacnct nnaatntncc ccttttncgn tngggagctn 180
cncnttnnnc gccnacntca ntccgagacng tnccttttnnn tnnancannn tngtncgtt 240
gncngcnttn ntncannant nttccctatn nacntgnnt cncncatntt tggacnancn 300
cctagccttn ccatnttttn nttntttntn natnancctn gaaaacntcn gnntnttcnc 360
nncnttnccn cncncncctt cntatgtncn atgncn 396

```

```

<210> 70
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 70
ttttttttt tttnttttt ttttttttt tttttttntt ttttttttt tttttntnc 60
aannntnaa cttttaanng gccnccngcn cccaanggg gacctgctt ttgnnggcta 120
aatgccnnaa aactttgggg nantnggtat naaaccnc tttgccnnc annttncngg 180
gggggggggg tttttgnng ggaacangna naacnttttn ncnanggnat caccaaaaaan 240
aaagcccnnc cctttttccn annngggggg ggngggggga aantcanccc ccanattgac 300
cttnatttca aaanggggct tataatcctg ggcntggann cttccctnta cccggggggt 360
gnccacnttt tattanaggg gnangnggat ccccnt 396

```

```

<210> 71
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 71
gcattctagag ggccngttta ntctagaggn ccngnntaaa cnnnnncatc nacctncnnt 60
gncctgctn gttgccnccc ntctgtgnet tgcnnnnccc nngagcgtnc cttnacnncn 120
gaangtgcct nnnnnactga nnnnnncnna taanatgnng anantncgtc gncattntnt 180

```

F040404 "4633333"

natnnggggt gatgctattc tgggggggtgg ggnggngnna tnnnatactn nggggacgtn 240
 nnatnangag nnatntcnng nttntctnnt gntttntggg gggcnatnng nnntctntnn 300
 ggactcntcg cncannnatc aatancttna ttcngtgtn ngccgncn tagnnncngcn 360
 ngactnnan ngttgnntc attactnttc gtnggg 396

<210> 72

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 72

ttttttttt tttctaaaac atnactnttt attnnnnang nttntgaac ctctnngent 60
 natggtgaga gtttgtctga ttaataanaa tngganntt nannanangc ntgnncgcaa 120
 ngatggcnc nctgtatc ccaccatccc attacactnt gaacctttt tttgattaat 180
 aaaaggaagg natgcgggga anggggaaag agaatgcttg aacattacca tgnnccttn 240
 gacaaacttt ccaatggagg cnggaacnaa nnaccaccan ncaactccc tttttgtaat 300
 ttnnaactt ncaacncta nctntttatt ttggntccc tggnggaaac agnctgtatn 360
 annnnaagn cntgagaac atccctggnt nncnna 396

<210> 73

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 73

ntcaactng actnctgtga ggnatggtgc tggngccta tgcngtgngn ttttgatac 60
 naccttatgg acantngcnn tcccnggaa ngatnataat ncttactgna gnnactnnaa 120
 nnttcentnt cnaaaangtt naaaancatt ggatgtgcca caatgatgac agtttatttg 180
 ctactcttga gtgtataat gatgaagatc ttanccacca ttatcttaac tgangcacc 240
 aanatggtga nttggggaac atatanagta cacctaagtt cacatgaagt tgttnttcc 300
 caggnnctaa agagcaagcc taactcaagc cattgncaca caggtgagac acctctattt 360
 tgtacttctc acttttaagg gattagaaaa tagcca 396

<210> 74

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 74

cctttttttt tttttttact gngaatatat actttttatt tagtcatttt tgtttacaat 60
 tgaaactctg ggaattcaaa attaacatcc ttgccgtga gcttcttata gacaccanaa 120
 aaagtttcaa ccttgtgttc cacattgttc tgctgtgctt tgtccaaatg aacctttatg 180

agccggtgc catctagttt gacgcggatt ctcttgccca caatttcgct tgggaagacc 240
 aagtcctcaa ggatggcatc gtgcacagct gtcagagtac ggctcctggg acgcttttgc 300
 ttattttttg tacggctttt tcgagttggc ttaggcagaa ttctcctctg agcgataaag 360
 acgacatgct tccactgaa ctttttctcc aattcg 396

<210> 75
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 75
 tttttttttt ttnttttttt tttttttttt ttttttttaa ntntaanggg ganggccctt 60
 tttttttaaa ctngncnttt ttnttttctt tttttnaaaa ggaaaaaaaa annttttttt 120
 ttctttnaaa aacccttttt cccacnaaca aaaaaaacn ttccccntnc cttttnnnna 180
 aaaaaaagg gctnggnntt tccccttann caaaaaacn tntccnnggg naaaaaantt 240
 ntncnccggg gggaaacnnn tgggggtgtn nccnaaatTT gggggccntc ggaagggggg 300
 nncnncnct aaagangtnt ttcaaaaana aaacccccnt cctnttntaa aaanaaaaaa 360
 aaanaangnn ngnttttttt ntctttnncc ccccaa 396

<210> 76
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 76
 acattcttca gaaatacagt gatgaaaatt cattttgaaa ctcaaattatt ttcattttgg 60
 atattctcct gtttttatta aaccagngat tacnctggc cntccctnta aatgttctag 120
 gaaggcatgt ctgttgtnnt tttnnnnaaaa nnaaatnttt tttttttngn naaaccccaa 180
 atcccanttt atcaggaagt tagncnaatg aaatggaaat tggntaatgg acaaaagcta 240
 gcttgtaaaa aggaccaccc nccacnngn cttaccccc ttggttngtt gggggaaaaa 300
 ccatntttaa cntntgggn aaaattgggn ncntaaagtt tncntggna acagtnctn 360
 cngtattnaa ttgncttat nggaaaatcn gggatt 396

<210> 77
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 77
 tttttttttt tttttttttt tttttttttt tatcaacatt tatatgcttt attgaaagtt 60
 ganaanggca acagttaaT ncngggacnc cttacaattg tgtaanaaac atgcncanaa 120
 acatatgcat ataactacta tacaggngat ntgcaaaaac ccctactggg aaatccattt 180


```

cattagttan aactgagcat ttttcaaagt attcaaccag ctcaattgaa anacttcagt      240
gaacaaggat ttacttcagc gtattcagca gctanatttc aaattacnca aagngagtaa      300
ctgngccaaa ttcttaaaat ttntttaggg gnggttttg gcatgtacca gtttttatgt      360
aaatctatnt ataaaagtcc acacctctc anacag                                   396

```

```

<210> 78
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 78
agctggcnaa aggnnatgn gctgcnangc gattangnnn ggtaacgtca nnggntnncc      60
agtgcangac nttgtaaaac gacggccaca tgaattgtaa tacgactcac tatngggcgn      120
attgggccgt gnaggatngt gntcacactc gaatgtatnc tggcngatnc ananngcttt      180
atngctnttg acggngnntn anccanctng ggctttaggg ggtatccctt cgccttctgt      240
tcnttgatth gcacgggcnn ctccgantt cttcataata ccngacgctt cnatccctta      300
gctcngacct ntcanthnt tcnntgggtt ntncgctnc acngcttncc cgnangntat      360
aatctnggct cctthnggga tccattantc tttact                                   396

```

```

<210> 79
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 79
caccaaccaa aacctggcgc cgttggcatc gtagagtga cacaacccaa aaacgatacg      60
ccatctgttc tgccctggct gcctcagccc taccagcact ggtcatgtct aaaggncatc      120
gtattgagga agttcctgaa ctctcttttg tangttgaag ataaagctga aggctacaag      180
aagaccaang aagntgtttt gctccttaan aaacttanac gcctggaatg atatcaaaaa      240
ngctatgcct ctacgcgaat gagactgga angcaaatg agaaacctc nccgcatcca      300
gcgnaggggc cgtgcatctc tatnntgang atnntggnan cnttcaaggc cttcagaacc      360
tccctngaaa tntctnctt taangaacca aactgn                                   396

```

```

<210> 80
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 80
tgtacatagg catcttattc actgcacct gtcacacca gcaccccccg ccccgcatat      60
tatttgaaag actgggaatt taatggttag ggacagtaaa tctacttctt tttccaggga      120
cgactgtccc ctctaaagtt aaagtcaata caagaaaact gtctatthtt agcctaaagt      180

```

```

aaaggctgtg aagaaaattc attttacatt gggtagacag taaaaaaca gtaaaataac 240
ttgacatgag cacctttaga tccttccctt catggggctt tgggcccaga atgacctttg 300
aggcctgtaa anggattgna atttccata agctgtatag tggagggatt ggngggtcac 360
ttgagtaagc cctccaagat acnttcaata cctggg 396

```

```

<210> 81
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 81
gcagctgaag ttcagcaggt gctgaatcga ttctcctcgg cccctctcat tccacttcca 60
acccctccca ttattccagt actacctcag caatttgtgc cccctacaaa tgtagagac 120
tgtatacgcc ttcgaggtct tcctatgca gccacaattg aggacatcct gcatttcttg 180
ggggagttcg ccacagatat tcgtactcat ggggttcaca tggttttgaa tcaccaggn 240
ccgccatcag gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca 300
cagaagtggc ataaaaaaaa catgaaggac agatatgttg aagttttcag tgcagctga 360
nganagaaca ttgnngtann nggggggnact ttaaat 396

```

```

<210> 82
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 82
gactcagaaa tgtcagtctc atgaagttca aaagatcgag aatgtttgct atcttggtgg 60
agcagccgca gccaaagcaag taacttgtaa aatgaggaat gccatcacc ctcgagtgtc 120
catcccacat aacttggggg tagagcaca gcgttcccag gaactactca cttaccatc 180
ttggccggtt catttgcttc caccagttct ggaaagagan ggccatagaag ttcaaaaaa 240
aagtaggaaa ngtgcttttg gagaaaatca cctgctcctc agaactgggc ttacaanctg 300
ngaagtacnc tatgtgccac ctaatcctca tatatgacct caagagacnc caataagcat 360
attccacca cggaatgacc agtgcttttg gtaana 396

```

```

<210> 83
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 83
tttgatttaa ganattttatt attttttttaa aaaaagcaac ttccaggggt gtcattgtac 60
aggttttgcc cagtctocta tagcatggta tagtgataac tgatttttta taacaatgac 120
tcagaggcat tgaagatcca taactatctt ctgaattatc acagaaagaa gaaagttaga 180

```

<400> 86						
ttttnnactg	aatgtttaat	acatttgtag	gaacagaaga	aatgcagtan	ggattaanat	
tttataatta	gacattaatg	taacagatgn	ttcatttttc	aaagaagntn	ccccctntc	60
cctatctttt	tttaatcttc	cttanagcaa	taantagtaa	ttactatatt	tgtggacaag	120
						180

```
<210> 87
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

atggagcgcg	tggggaagct	gaagcagttc	gatgcctacc	ccaagacttt	ggaggacttc	60
cgggtcaaga	cctgcggggg	cgccaccgtg	accattgtca	gtggccttct	catgctgcta	120
ctgttcctgt	cgcagctgca	gtattacctc	accacggagg	tgcctcctga	gctctaactg	180
gacaagtcgc	ggggagataa	actgaagatc	aacatcgatg	tactttttcc	ncacatgcct	240
tgtgcctatc	tgagtattga	tgccatggat	gtggccngag	aacancagct	ggatgnggaa	300
cacaacctgt	ttaagccacc	actagataaa	gatgcatccc	ngtgagctca	nagctgagcg	360
gcattgagctt	gngaaantcn	aggtgaccgg	gtttga			396

```
<210> 88
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

tccagagcag	agtcagccag	catgaccgag	cgccgcgtcc	ccttctctgct	cctgcggggc	60
cccagctggg	accccttcgg	cgactggtac	ccgcatagcc	gctcttcgac	caggccttcg	120
ggctgccccg	gctgccggag	gagtggctgc	agtggttagg	cggcagcagc	tggccaggct	180
acgtgcgcc	cctgcccccc	gccgcacoga	gagccccgca	gtggccgcgc	ccgctacagc	240
cgcgcngetc	agccggcaac	tcacancggg	gctcggagat	ccgggacact	gcggaccgct	300
ngcgcgtgcc	ctggatgtca	ccactttngc	ccggacaact	gacggtnana	caaggatggg	360
gggtgganan	ncngtaanc	caagaanggg	naggac			396

```
<210> 89
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

gagagaacag taacatcca gccttagcat ctctcangag tactgcagat cttcattagc 60
tatattcaca tggagnaatg ctattcaacc tatttctctt atcaaaacta attttgtatt 120
ctttgaccaa tgttcctaaa ttcactctgc ttctctatct caatcttttt cccctttctc 180

```
<210> 90
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 91
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 92
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 92						
ctnttttnnnt	nttttttttcc	ccatcatcca	naaatgggtt	ttattctcag	ccgagggaca	60
gcaggactgg	taaaaactgt	caggccacac	ggttgctg	acagcacc	catgcttgg	120
agggggtggg	agggatggcg	ggggctggnt	gnccacagc	cgggcatgac	aaggaggctc	180

actggaggtg gcacactttg gagtgggatg tcgggggaca ncttcttttg tanttgggcc 240
 acaagattcc caaggatanc acnnnnactg attnccannc tanagncaag cggntggcca 300
 tntgtangnn nttntntatn tgactattta tagattttta tanaacaggg naagggcata 360
 ccncaaaagg gnccaanttt ttaccnccgg gcnccc 396

<210> 93
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 93
 gctgccacag atctgttcct ttgtccgttt ttgggatcca caggccctat gtatttgaag 60
 ggaaatgtgt atggctcaga tcctttttga aacatatcat acagggttgca gtcctgaccc 120
 aagaacagtt ttaatggacc actatgagcc cagttacata aagaaaaagg agtgctaccc 180
 atgtttctcat ccttcagaag aatcctgcga acggagcttc agtaatatat cgtggcttca 240
 catgtgagga agctacttaa cactagttac tctcacaatg aaggacctgn aatgaaaaat 300
 ctgnttctaa ccnagtccctn tttanatttt agngcanatc cagaccancg ncggtgctcg 360
 agtaattctt tcatgggacc tttggaaaac tttcag 396

<210> 94
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 94
 tgccttaacc agtctctcaa gtgatgagac agtgaagtaa aattgagtgc actaaacgaa 60
 taagattctg aggaagtctt atcttctgca gtgagtatgg cccaatgctt tctgnggcta 120
 aacagatgta atgggaagaa ataaaagcct acgtgttggt aaatccaaca gcaagggaga 180
 tttttgaatc ataataactc atanngtgct atctgtcagt gatgccctca gagctcttgc 240
 tgntagctgg cagctgacgc ttctangata gttagnnttg aaatggctct cataataact 300
 acacaaggaa agtcancnc cgggcttatg aggaattgga cttataaat ttagngngct 360
 tccnacctaa aatatatctt ttggaagtaa aattta 396

<210> 95
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 95
 cctcccaccc ncttanttca tgagattcga naatgncact tntgtgctnt ttncntnttn 60
 tattctnactn atttctttct tggngcggna nnaatccent ttttnngggc gnetctcccn 120
 ncttntntnt tcntggngct ntcccttttc nnnnnaaact tntacnnngt ttanaantnt 180

ttctgnangg gggnttcna aananttttt cncctncct nattccnctc tnaannctcn 240
 cnaattgttt ccccccccn ntagnntatt ttttctaaaa aattaactcc nacgganaaa 300
 attttcccta aaatttcncc tccanatttn gaaaaaacnc gcccgganct nntntncgaa 360
 tntnaatttt tnaaaaaaan ttattttcat cnggnn 396

<210> 96
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 96
 cctgggtacc aaatttcttt atttgaagga atggtacaaa tcaaagaact taagtggatg 60
 ttttggacaa cttatagaaa aggtaaagga aaccccaaca tgcattgact gccttggcga 120
 ccagggaagt caccacacgg ctatggggaa attagcccgga ngcttaactt tcattatcac 180
 tgcttccaag ggngtgcttg gcaaaaaaat attccgcaa ccaaactcggg cgctccatct 240
 tgcccagttg gtncgggnc cccaattctt ggatgctttc ncctcttntt ccggaatgng 300
 ctcatgaant cccccaanng gggcattttg ccagnngccn tttngccatt cnagnnggcc 360
 tgatccattt tttccaatgt aatgccnctt cattgn 396

<210> 97
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 97
 ctcaccctcc tcntnntnt canaatattg ngaacttnt nctgntcgaa tcaactggcat 60
 taaagganct ctactaatg gcactaaatt tacnnactan ggaaactttt ttataatant 120
 gcaaaaacat ntnaaaaaga ntgnagttcg cccatttctg ctngngaaga nctcttact 180
 tntaancccn natgngncc tttgggtcaa aanctccgag attattacng ngtncccn 240
 tatttgnctt tctttntcc ccaangcnc anatttcnna acttncnt naaatgcctt 300
 tatttnatnn cntttcnacn ncttaanntt ccttttnaan aangatccct ncttcaaant 360
 ntttccngt tctngcatt nccnnnnat ttctct 396

<210> 98
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 98
 acagggacaa tgaagccttt gaagtgccag totatgaaga ggccgtggtg ggactagaat 60
 cccagtgcg cccccaagag ttggaccaac cacccttac agcactgttg tgataccccc 120
 agcacctgan gaggaacaac ctaccatcca gaggggccag gaaaagccaa actggaacag 180

ttctgnangg gggnttcna aananttttt cncctncct nattccnctc tnaannctcn

```
<210> 99
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(396)  
<223> n = A,T,C or G
```

```
<210> 100
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 101
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 101						
agttataaact	caacagtttca	tttatatgct	gttcatttaa	cagtttcattt	aaacagtttca	60
ttataactgt	ttaaaaatat	atatgcttat	agncaaaann	tgttggtggcg	nagttgtgtgc	120
cgcttatagc	tgagcattat	ttcttaaatt	cttgaatggt	cttttgngng	gntnctaaaa	180

ccgtatatga tccatttttna tgggaaacng aattcntnnc attatcncac cttggaaata 240
 cnnaacgtgg gggaaaaaaa tcattccnc cntccaaaac tatacttctt ttatctngan 300
 nttcttgntc ctgcnnggt ttngaata nctgggcaaa nggntttnc aaatcctnt 360
 acnntncttt gggaantanc ggcaantcnc cncctt 396

<210> 102
 <211> 396
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 102
 actatacata agaacangct cacatgggag gctggagggt ggtaccacgc tgctgtggaa 60
 cgggtatgga caggtcataa acctagagtc agngtcctgt tggcctagcc catttcagca 120
 ccctgccact tggagnggac ccctctactc ttcttagcgc ctaccctcat acctatctcc 180
 ctntctcccat ctctacgga ctggcgccaa atggctttcc tgccaatttt gggatcttct 240
 ctggctctcc agcctgctta ctctctatt tttaaagggc caaacaatac ccttctcttt 300
 ctcaaacaca gtaatgnggc actgacccta ccacacctca tgaagggggc ttgttgcttt 360
 tatttggggc cgatctgggg ggggcaaaat attttg 396

<210> 103
 <211> 396
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 103
 ttgtgttggg actgctgata ggaagatgtc ttcaggaaat gctaaaattg ggcaccctgc 60
 cccaacttca aagccacagc tgggatgcca natggtcagg ttaaagatat caacctgctg 120
 actacaaagg aaaatatggt ggggtcttct tttaccctct tgacttccct ttgngngccc 180
 cccgaganca ttgctttccg ngatagggca aaanaaatta aaaaacttaa ctggccagt 240
 aatggggctt ctgnggatct cttcttgga ttacatnggc aatccctaaa aaacaagang 300
 actgggaccc ataacattct tttgnatcaa ccgaagcccc cattgttang atatngggct 360
 taaangctga tnaagcatct cgtccgggcn ttttat 396

<210> 104
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 104
 aaggaggggc gcgccaagac cttcccactc gngcacactg ggggcgccga cangacgcaa 60
 cccagtccaa cttggatacc cttggnttta gttctcggac acttctttta tctctcgtc 120
 gcaacttgct aagttctcaa nactgtctct ctgngntatc tttttcttc gctgctcttc 180

```

nncccccgac gtatttntca aaangtctgc aattgttgna tacntnganc tncaccactg      240
ttacnaggtc atnaatttcn cntcaactct ntncncttg ttccctgata tntcggccgg      300
ngncnccaat tctgtatttt nctentcaac gntctcactt ttncctctc cnggccactt      360
tctccccttc cttattccgg cnttgtttgc cncat                                     396

```

```

<210> 105
<211> 396
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

```

<400> 105
tcaatagcca gccagtgttc atttttatcc ttgagctttt agtaaaaact tcttggnnttt      60
atttttagtc attgggtcat acagcactaa agtctgctat ttatggaaac taactttttt      120
gtttttaatc caggccaaca tgtatgtaaa tttaaatttt agataattga ttatctcttt      180
gtactacttg agatttgatt atgagatgtg catattgctt tgggaagagc tcgaggaagg      240
aaataattct ctcttttggg ttgaacctca actagataaa ccctaggaat tgtaactgc      300
acaagnattt tcattccaca aaacctgagg cagctctttt gccagagcgt tctgnaccc      360
ccccacccca cttgccttgg gtctttanaa ngagcc                                     396

```

```

<210> 106
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 106
gctgtgtagc aacttgagtg acgcaatcaa tgtttactcg aacagaatgc atttcttcac      60
tccgaagcca aatgacaaat aaagtccaaa ggcattttct cctgtgctga ccaaccaa      120
aatatgtata gacacacaca catatgcaca cacacacaca cacaccaca gagagagagc      180
tgcaagagca tggaaattcat gtgtttaaag ataatccttt ccatgtgaag tttaaaatta      240
ctatatattt gctgatggct agattgagag aataaaaagac agtaaccttt ctcttcaaag      300
ataaaatgaa aagcaattgc tcttttcttc ctaaaaaatg caaaagattt acattgctgc      360
caaatcattt caactgaaaa gaacagtatt gctttg                                     396

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<210> 107
<211> 396
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

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<400> 107
ttcacagaac anggtggttt attatttcaa tagcaaagag ctgaaaaatg tcgggtccca      60
taaaggagca gaacctgacc cagagcctgc agtacatttc caccacacag ggggtgcaggc      120
tgggccaggc agggccaaag gcagcagaaa tgggagtaag agactgtgcc cactgagaag      180
ctctgctggg tgtgggcagg tgggcatgan atgatgtga tgtagtgtaa ggaccaggta      240
ggcaaaacct gtcaggnttg ntgaatgtca nagtggatcc aaaaggctga gggggtcgtc      300
anaaggccgg nggnccncc cttgcccgta tgggccttca aaaagtatgc ttgctcatcc      360
gttgttttnc ccanggagct gccanggana aggctn                                     396

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<210> 108
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 108
 gcctgctttt gatgatgtct acagaaaatg ctggctgagc tgaacacatt tgcccaattc 60
 caggtgtgca cagaaaaccg agaattattca aaattccaaa tttttttctt aggagcaaga 120
 agaaaatgtg gccctaaagg gggtttagttg aggggtaggg ggtagtgagg atcttgattt 180
 ggatctcttt ttatttaaat gtgaatttca acttttgaca atcaaagaaa agacttttgt 240
 tgaaatagct ttactgtctt tcacgtgttt tggagaaaaa natcancct gcaatcactt 300
 tttgnaactg ncnttgattt tcngcnncca agctatatcn aatatcgtct gngtanaaaa 360
 tgnctgggnc ttttgaanga atacatgngt gntgct 396

<210> 109
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 109
 ggccgtaggc agccatggcg cccagcccgg aatggcatgg tcttgaagcc ccaattccac 60
 aaggactggc agcggcgctg ggccacgtgg ttcaaccagc cggcccggaa gatccgcaga 120
 cgtaaggccc ggcaagccaa ggcgcgcgcg atcgtctcgc gccccgcgctc ggggtcccatc 180
 cggcccatcg tgcgtgcccc acggttcggt accacacgaa gggcgcgcgcg gcgcggnttc 240
 agcctggagg agctcagggt ggccggattt acaagaagn gcnngacatc ngtattcttg 300
 ggatncnnga agnggaacaa gtcacngagt ccttgacgac acntcagcgg ntgatgacac 360
 cgttcnaact catctnttcc caagaaacct cngnnc 396

<210> 110
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 110
 nntgggctcc tnncantnat aataaacng actcatacnc cacaaggaga tgaacaggan 60
 tatgtncatn ctgacgcgga aacagngcan ggagctgagg agngccaag atgagaccta 120
 nnggccnngg tgggcgcatt cccgngggag ggggccacta aggantacga nnntcnagcg 180
 gctcttgngg gcngncctcc tcacncctgn ntattcgatt gtcncnnatg ncntcctatn 240
 atnntcanna ttctntnntn atctcntnta cnnctncn ttcatgntta cngntccctc 300
 tcnttctnac cnttntctgn anctccttcc tnnnctttc atctntnttc ngctttcttt 360
 cttnaatcnt nntttaacnt nntctncttt ntnatt 396

<210> 111
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 111
 taangancat nctggnttnt gcctnnccgn ctnattgant gttaaaggca attntgtggn 60
 tgtcccagng aatgncggct nattttcttt ccacattgng cncattcact cctcccactc 120
 ttggcatgtn gngacataag canggtacat aatngnaaaa atctgnattt ctgatgccan 180
 angggtanen cntnttgnat ntcattccat tgatatacag ccactntttt atttttgatc 240
 ancggccttc ggntcactgc ncanggtact tgacctcagt gtcactatta tgggnttttg 300
 tttcncctct ttnonggccn ttntntttcn cacnttncan cttnccttnt nnaaaannna 360
 nncactctct cttgtctctc ngatacnng tctnaa 396

<210> 112
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 112
 tcaacgtcac caattactgc catttagccc acgagctgcg tctcagctgc atggagagga 60
 aaaagggtcca gattcgaaagc atggatccct ccgccttgge aagcgaccga tttaacctca 120
 tactggcaga taccaacagt gaccggctct tcacagtga c gatgttaaa gntggaggct 180
 ccaagnatgg tatcatcaac ctgcaaagtc tgaagacccc tacgctcaag gtgttcattc 240
 acgaaaacct ctacttcacc aaccggaagg tgaattcggg gggctgggcc tcgctgaatc 300
 acttggaattc cacattctgc tatgcctcat gggactcgca gaacttcagg ctggccaccc 360
 tgctcccacc atcactgntn gncaatantc acccag 396

<210> 113
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 113
 nnnntnnnn nggagcctta atttcagagt tttattgtat tgactaaag gaacagcagg 60
 atggntatac aattttctct cattcagttt tgaaaactcg tagtacctgc aaattcttaa 120
 gaataccttt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat 180
 gtcttacaaa taaaaacaca tttaaaatag ctttaaatgc attcttcaca agtaattcag 240
 catatatttt atatcatggt tacttatgct tangaattnn agcaggatnt ttattctttt 300
 gatggaaata tgggaaaact ntattcatgc atatacangg ataatttca gcgaaggga 360
 aatcccgttt ttattttggn aatgattcat atataa 396

<210> 114
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 114
 aaatgggaca acgtgattct tttgttttaa ataaataactn agaacacgga cttggctcct 60
 acaagcattt ggactctaag gnttagaact ggagagtctt acccatgggc ccncncagg 120
 gacgccacgg ttcctccca ccccgngatc aagacacgga atcngntggc gatngttgga 180
 tcgcnatgtg ccccttatct atagccttcc cnggncatnt acangcagga tgcgntggg 240
 anaactacaa ctgnaatntc tcnaacggtn atggtcccca ccgatnaaga ttctacctng 300
 tcttttctc ccctggagtg tgagtgnng aggaagaagc ccttncctta catcaccttt 360
 tgnacttctg aacaaganca anacnatggc cccccc 396

<210> 115
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 115
 ccgcctgggt cggcccgct gcctccaactc ctgcctctac catgtccatc aggggtgacc 60
 agaagtccta caaggtgtcc acctctggcc cccgggcctt cagcagcgc tcctacacga 120
 gtgggcccgg ttcccgcac agctcctcga gcttctcccg agtgggcagc agcaactttc 180
 gcggtggcct ggccggcgct atggtggggc cagcggcatg ggaggcatca cccgcagtta 240
 cggcaaccag agcctgctga gccccttgcc tggaggngga cccaacatc aagccgngcg 300
 caccagga aaggagcaga ncaagaccct caacaacaag nttgcttctt catagacaag 360
 ggaccggctc ttgaacagca naacaagatg ntggag 396

<210> 116
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 116
 atctcagttt actagctaag tgactttggg caagggattt aacctctcgt ccctcagttt 60
 ctcctatgt aaaatgacaa ggataatagt accaaccacaa tgtagattaa atgagtttac 120
 gaagtgttag aatagtgtt ggcacattag tgctttacaa ctgctatttt gattgttggt 180
 gtgggctctc tcaaatgcat tgtctctaga tgccagtgc ccaggtcaaa atttaccttt 240
 aaccaagctg catgtttccc agactgntgc acagtccctc accctgagan aaagcttcca 300
 cccaaggata cttttacttt ctgctggaaa actgatgagc aanggaaca ngggacactt 360
 atcgccaact ggaaangaga aattcttctt tttgct 396

<210> 117
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 117
 aaacattttt taataaaatt cctatagaaa gctcagtcac agggcaaata ctcagttctc 60
 ttcccacat caccgaggat tgagagctcc caatattctt tggagaataa gcagtagttt 120
 tgctggatgt tgccaggact cagagagatc acccatttac acattcaaac cagtagttcc 180
 tattgcacat attaacatta ctgtccccta gcaccctaaa tatatgggac ctcaacaaat 240
 aacttaaaga ttcccggtggg gcgcganacc atttcaattt gaactaatat ccttgaaaaa 300
 aatcacatta ttacaagntt taataaatac nggaagaaga gctggcattt ttctaanaac 360
 tgaattcnga cttggnttta ttccataaat acggtt 396

<210> 118
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 118
 accnncacct gntnnntttt aacnattaca acttctttat atggcagttt ttactgggng 60
 cctaacactc tctttactgn ctcaagngga agtccaaaca aatttcattt ttgtagtaaa 120
 aaatctttat ttccaaaatg atttggttagc caaaagaact ataaaccacc taacaagact 180
 ttggaagaaa gagacttgat gcttcttata aattcccatc tgcanacaaa aaataacaat 240
 ccaacaagag catggtaccc attcttacca ttaacctggn tttaannctc caaancnnga 300
 tttaaaaatg accccactgg gcccaatcca acatganacc taggggggnt tgccttgatt 360
 angaatcccc cttanggact ttatctnggc tganaa 396

<210> 119
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 119
 atggccagct cacttttaaat accacctcaa gactcatcga aatgaccgct ccttcattctg 60
 tcctgcagaa ggttggtgga aaagcttcta tgtgctgcag aggctgaagg tgcacatgag 120
 gaccacaat ggagagaagc cctttatgtg ccatgagtct ggctgtggtg agcagtttac 180
 tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttcctttg 240
 tgaagcccaa ngatgtggcc gtcctttgct gagtattcta ncttcgaaaa catctggngg 300
 ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagngg 360
 angcaggaat gtgcatatta aaaagctncc ttgnac 396

<210> 120
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 120
 catgggtcag tcggtcctga gagttcgaag agggcacatt cccaaagaca ttcccagtca 60
 tgaaatgtag aagactggaa aattaagaca ttatgtaaag gtagatatgg cttttagagt 120
 tacattatgc ttggcatgaa taagggtgcc ggaaaacagt ttaaaattat acatcagcat 180
 acagactgct gttagaaggt atgggatcat attaagataa tctgcagctc tactacgcat 240
 ttattgttaa ttgagttaca nangncattc annactgagt ttatagancc atattgctct 300
 atctctgngn agaacatttg attccattgn gaagaatgca gttttaaaata tctgaatgcc 360
 atctagatgt attgtaccna aaggggaaaa ataaca 396

<210> 121
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 121
 tttttttttt ttttttttaa aatcaagtta tgtttaataa acattaataa atgtttactt 60
 aaaagggtta ataaacnttt actacatggc aaattatatt agctagaatg cttttggctt 120
 caagncatan aaaccagatt cnaatgccct taaanaattt tnaaanatcc attgangggg 180
 ataactgtaa tcccgaaggg gaanagggtt gggtatgaca ggtacanggg gccagcccag 240
 tnntnncana nncagactct tacctcttt ctgctgtgnc accctcaggc attggctcca 300
 ttctcngggg tgcncatggg aagatggctt tggacntaac nacacccttt tgtncacgta 360
 aaggccngat gcagggtcaa anagnttcn ccatnt 396

<210> 122
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 122
 gtcgacatgg ctgccctctg ggctcccaga acccacaaca tgaaagaaat ggtgctaccc 60
 agctcaagcc tgggcctttg aatccggaca caaaaccctc tagcttggaa atgaatatgc 120
 tgcactttac aaccactgca ctacctgact caggaatcgg ctctggaagg tgaagctaga 180
 ggaaccagac ctcatcagcc caacatcaaa gacaccatcg gaacagcagc gcccgcagca 240
 cccaccccgcc accggcgact ccatcttcat ggccaccccc tgcgggtggac ggttgaccac 300
 cagccaccac atcatcccag agctgagctc ctccagcggg atgacgccgt cccaccacc 360
 tccctcttct tctttttcat cttctgtct ctttgt 396

<210> 123
 <211> 396
 <212> DNA
 <213> Homo sapien

<223> n = A, T, C or G

gccctttttt	ttttttttt	tttctagtg	ccaggtttat	tccctcacat	gggtggttca	60
catacacac	acanaggcac	gggcaccatg	gganagggca	gcactcctgc	cttctgaggg	120
gatcttgcc	tcacggtgta	anaagggana	ggatggtttc	tcttctgccc	tcactagggc	180
ctagggaacc	cagnagcaaa	tcccaccacg	ccttccatnt	ctcagccaag	ganaagccac	240
cttggtgacg	tttagttcca	accattatag	taagtggana	agggattggc	ctggtcccaa	300
ccattacagg	gtgaanatat	aaacagtaaa	ggaanataca	gtttggatga	ggccacagga	360
aggagcanat	gacaccatca	aaagcatatg	caggga			396

<213> Homo sapien

gaccattgcc	ccagacctgg	aagatataac	attcagttcc	caccatctga	ttaaaacaac	60
ttctccctt	acagagcata	caacagaggg	ggcaccggg	gaggagagca	catactgtgt	120
tccaatttca	cgtttttaat	tctcatttgt	tctcacacca	acagtgtgaa	gtgctgtgta	180
taatctocat	ttcaaaacca	aggaagcagc	ctcagagtgg	tcgactgaca	cacctcacgc	240
aggctgagtc	cagagcttgt	gctcctcttg	attcctggtt	tgactcagtt	ccaggcctga	300
tcttgctgt	ctggctcagg	gtcaaagaca	gaatggtgga	gtgtagcctc	cacctgatat	360
tcaggctact	cattcagttc	caaatatgta	ttttcc			396

<213> Homo sapien

<223> n = A, T, C or G

cccttttttt	tttttttttt	tttttttttt	ttttttactt	tгнаacaaaa	atttattagg	60
attaagtcaa	attaaaaaac	ttcatgcncc	nccncttgtc	atattttacct	gaaatgacaa	120
agttatactt	agcttgagng	naaaacttgn	gccccaaaaa	ttntgtttgg	aaagcaaaaa	180
aataattgat	gcncatagca	gngggcctga	tnccnccaca	gnгаatgttg	tttaaggnct	240
aacaaacagg	ggncancaaa	gcatacatta	cttttaagct	ttgggnccaa	ggaaaangtc	300
attccctacc	tccttcaaaa	gcaaactcat	natagcctgg	gnccttaggn	ctggagcctn	360
ttttttcgag	tctaanatga	acatntggat	ttcaan			396

<213> Homo sapien

cgcgtcgact	cgcaagtgga	atgtgacgtc	cctggagacc	ctgaaggctt	tgcttgaagt	60
caacaaaggg	cacgaaatga	gtcctcaggt	ggccaccctg	atcgaccgct	ttgtgaaggg	120
aaggggccag	ctagacaaag	acaccctaga	caccctgacc	gccttctacc	ctgggtacct	180
gtgctccctc	agccccgagg	agctgagctc	cgtgcccccc	agcagcatct	gggcggtcag	240

gccccacgac ctggacacgc tggggctacg gctacagggc ggcaccccc aaggctacct 300
 ggtcctagac ctacagcatgc aagaggccct ctcggggacg ccctgcctcc taggacctgg 360
 acctgttctc accgtcctgg cactgctcct agcctc 396

<210> 127
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 127
 tttttttttt ttggnggtaa aatgcaaag ttttaaaata tgtttatatt gtatgtttta 60
 caatgaatac ttcagcaaag aaaataatta taatttcaaa atgcaatccc tggatttgat 120
 aaatatcctt tataatcgat tacactaatc aatatctaga aatatacata gacaaagtta 180
 gctaataaat aaaataagta aaatgactac ataaactcaa tttcagggat gagggatcat 240
 gcatgatcag ttaagtcact ctgccacttt ttaaaataat acgattcaca tttgcttcaa 300
 tcacataaac attcattgca ggagttacac ggctaatacat tgaaaattat gatctttgtt 360
 agcttaaaag aaaattcagt ttaatacaaa gacatt 396

<210> 128
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 128
 gccctttttt ttttttttta aaggcaaata aaataagttt attgggatgt aaccccatca 60
 taaattgagg agcatccata caggcaagct ataaaatctg gaaaatttaa atcaaattaa 120
 attctgcttt taaaaaggtg ccttaagtta accaagcatt ttgataacac attcaaattt 180
 aatatataaa aatagatgta tcctggaaga tataatgaan aacatgccat gtgtataaat 240
 tcanaatacg cttttttacac aaagaactac aaaaagttac aaagacagcc ttcaggaacc 300
 acacttagga aaagttagcc gagcagcctt cagcgaagc ctccttcaaa naagtctcac 360
 aaagactcca gaaccagccg agtntgtgaa aaagga 396

<210> 129
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 129
 gccctttttt tttttttttt ttttactcag acaggcaata tttgctcaca tttattctct 60
 tgcacgtaa atagtagcca actcacaaaa ataaagtata caanaatgta atatttttta 120
 aaataagatt aacagtgtta gaaggaaaat ctcaaaaaaa gcanatagac aatgtanaaa 180
 attgaaatga aatcccacag taanaaaaaa aaaacanaaa agtgcctatt taanaattat 240

gctacatgtg gaacttaact agaccatttt aanaaagacc aattttctaata gcaaattttc 300
 tgagggttttc anatttttatt tttaaaaatat gttatagcta catgttgctn acncggccgc 360
 tcgagtctan agggcccgtt taaacccgct gatcag 396

<210> 130
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 130
 cgcccttttt tttttttttt tanngnacgt gncctttattt ctggatgata taaaanaaaaa 60
 aacttaaaaa acaccccaaa ccaaacacca atggatcccc aaagcgatgt gactccctct 120
 tcccacccgg ataaatagag acttctgtat gtcagtctac cctcccgcgc ccataacccc 180
 ctctgtata nacatactct gggtatatat tactctactc ggcaatagac atctcccgaa 240
 aatagaattc ctgccctgac acctgactct tccctggccg catcanacca cccgccactg 300
 tagcacactg gtgtccttgc cccctgtggt cagggccatg ctgtcatccc acaanaaggc 360
 cacatttgct acatggctgc tgtgtccacc gtactt 396

<210> 131
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 131
 gccctttttt tttttttttt tttttttttt ttcagtttac acaaaaaacnc ttttaattgac 60
 agtatacnnt tttccaaaat atnttttngt aanaaaatgc aataattatt aactatagtt 120
 tttacaaaca agttnttcan taaattccag tgtntctnaa accccnnncn annaaaacat 180
 atatganccc ccagttcctg ggcaaaactgt tgaacattca ctgcanacaa aaagaccanc 240
 nccaaanagt catctgnngc ctccatgctg ngtttgcacc aaacctgagg gancagctag 300
 ngaccgtgac aaaagctntg ctacagtttt actntngccc tntntgcctc ccccatnatg 360
 tttccttggt cccctcantcc tgtnggagta agttcc 396

<210> 132
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 132
 cgcgtcgacc gcggccgtag cagccgggct ggtcctgctg cgagccggcg gcccgagtg 60
 gggcgggcgt atgtacctc cacattgagt attcagaaag aagtgatctg aactctgacc 120
 attctttatg gatacattaa gtcaaatata agagtctgac tacttgacac actggctcgg 180
 tgagttctgc tttttctttt taatataaat ttattatggt ggtaaattta gcttttggct 240

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tttcactttg ctctcatgat ataagaaaat gtaggttttc tctttcagtt tgaattttcc 300
tattcagtaa aacaacatgc tagaaaacaa acttttggaa aggcattgta actatttttt 360
caaatagaac cataataaca agtcttgtct taccct 396

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<210> 133
<211> 396
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

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<400> 133
ntattacccc tcctggnnan ntggnnatan nctgcaagg nctgcaagg gatnnncccg nngaacttca 60
ctgatnnncc aatnaaaact gctttaaaanc tgactgcaca tatgaattnt aatacttact 120
tngcgggagg ggtggggcag ggacagcaag ggggaggatt gggaanacaa tagacaggca 180
tgctggggat gcngcgggct ctatggcttc tgangcgnaa agaaccagct ggggctctag 240
ggggtatccc cagcgcccct gtagcngcnc attaaacgag gcggtgtgtg nggttacttc 300
gcaaagngac cgaatnactt gccagcgccc tagctgccc ctcctttngc tttcttcctt 360
tcctttctcg ccacnttnc cggtntccc cgncaa 396

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<210> 134
<211> 396
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

```

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<400> 134
tttttttttt ttctgttttt tatatgttta aaaatctctc attctattgc tgctttattt 60
aaagaaagat tactttcttc cctacaagat ctttattaat tgtaaaggga aaatgaataa 120
ctttacaatg ganacacctg gcanacacca tcttaaccaa agcttgaagt taacataacc 180
agtaatagaa ctgatcaata tcttgtgcct cctgatatgg ngtaactaana aaaacacaac 240
atcatgccat gatagtcttg ccaaaagtgc ataacctaaa tctaatacata aggaaacatt 300
anacaaactc aaattgaagg acattctaca aagtgccctg tattaaggaa ttattcanag 360
taaaggagac ttaaaagaca tggcaacaat gcagta 396

```

```

<210> 135
<211> 396
<212> DNA
<213> Homo sapien

```

```

<400> 135
gcgtcgagcg tggcagagcc acaccccaag tgctgtgccc cagagggcct cagtcagctg 60
ctcactcctc cagggcactt ttaggaaagg gtttttagct agtggttttc ctcgctttta 120
atgacctcag cccgcctgc agtggtctaga agccagcagg tgcccatgtg ctactgacaa 180
gtgcctcagc ttcccccg ccggggtcag gccgtgggag ccgctattat ctgcgttctc 240
tgccaaagac tcgtgggggc catcacacct gccctgtgca gcggagccgg accaggctct 300
tgtgtcctca ctgaggtttg cttcccctgt gccactgt gtatgatctg ggggccacca 360
ccctgtgccc gtggcctctg ggctgctcc cgtggt 396

```

```

<210> 136

```

<211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 136
 ttatgcttcc ggctcgtntg ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa 60
 acagctatga ccatgattac gccaaagctat ttaggtgaca ctatagaata ctcaagctat 120
 gcatcaagct tggtagcgag ctccgatcca ctagtaacgg ccgccagtgt gctgggaattc 180
 gcggncgntc nantctagag ggcccgttta aaccgcgtga tcagcctoga ctgtgccttc 240
 tagttgccag ccatctgttg tttgcccctc ccccgctgct tccttgaccc tgggaagggtgc 300
 cactcccact gtcctttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg 360
 tcattctatt ctgggggggtg ggggtggggca ggacan 396

<210> 137
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 137
 tttttttttt ttctgctttg tacttgagtt tatttcacaa aaccacggag aaagatactg 60
 aaatggagct ctttccagcc tccaagcaag gaggccccag cagccagtct ccagcccctt 120
 gagccctttt tgtaggccc acacccaaaa gagganaacc agtgtgtgcg cgaaggtaca 180
 tggcaaggca cttttgaaaa catcccagtt taccgnggtg aaattgaact tactctgaaa 240
 cagatgaaaa gggacatgca aaattgctga gcacatggag gtgtttgtta gtaggtgaaa 300
 atcatgtcct ggggtataacc cagcttctcc aggttaggtg gagccgccgt ctggatcagt 360
 ggtggcgggc cacacaccag gatgagcgtg gacttc 396

<210> 138
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 138
 cccttttttt ttttttttac aaatgagaaa aatgtttatt aagaaaacaa tttagcagct 60
 ctcttttana attttacaga ctaaagcaca acccgaaggc aattacagtt tcaatcatta 120
 acacactact taaggngctt gcttactcta caactggaaa gttgtggaag tttgtgacat 180
 gccactgtaa atgtaagtat tattaataat tacaaattgt ttggtgatta ttttgatgac 240
 ctcttgagca gcagctcccc ccaanaatgc ancaatggta tgtggctcac cagctccata 300
 tgggcaaat tcgtggacat aatcatcttt caccattaca gataaaccat attcctgaag 360
 gaagccagtg agacaagact tcaactttcc tatatc 396

<210> 139

<211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 139
 ccgccctttt tttttttttt ttcacaaaag cactttttat ttgaggcaaa nagaagtctt 60
 gctgaaagga ttccagttcc aagcagtgaa aactcaaccg ttagnngcac tattttgacc 120
 tgggtanattt tgcttctctt tgggtcanaaa aggggtattca gggtgtactt tccccagcag 180
 ggtaaaaaga agggcaaaagc aaactggaan anacttctac tctactgaca gggctnttga 240
 natccaacat caagctanac acnccctcgc tggccactct acagggttgct gtccactgc 300
 tgagtgcacac aggcatact acatttgcaa ggaaaaaaat gaggcaanaa acacaggtat 360
 aggtcacttg gggacgagca ggcaaccaca gcttca 396

<210> 140
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 140
 tttttttttt tttttttttt tttttttctc atttaacttt tttaatgggn ctcaaaattn 60
 tngnacaat ttttgggtcaa gttgtttcca ttaaaaagtn ctgattttta aaactaataa 120
 cttaaaactg ccncncccaa aaaaaaaaaac caaaggggtc cacaaaacat tntcctttcc 180
 ttntgaaggn tttacnatgc attgttatca ttaaccagtn ttttactact aaacttaaan 240
 ggccaattga aacaaacagt tntganaccg ttnttcncc actgattaaa agnggggggg 300
 caggtattag ggataatatt catttancc tntgagcttt ntgggcanac ttgngacct 360
 tgccagctcc agcagccttn ttgtccactg ntttga 396

<210> 141
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 141
 acgccgagcc acatcgctca gacaccatgg ggaaggtgaa ggtcggagtc aacggatttg 60
 gtcgtattgg gcgcctgggc accagggctg cttttaactc tggtaaagtg gatattgttg 120
 ccatcaatga ccccttcatt gacctcaact acatgggtta catgttccaa tatgattcca 180
 cccatggcaa attccatggc accgtcaagg ctgagaacgg gaagcttgct atcaatggaa 240
 atcccatcac catcttccag gagcgagatc cctccaaaat caagtggggc gatgctggcg 300
 ctgagtacgt cgtggagtc actggcgtct tcaccacat ggagaaggct ggggctcatt 360
 tgcagggggg agccaaaagg gtcacatct ctgccc 396

<210> 142
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 142

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<210> 143
<211> 396
<212> DNA
<213> Homo sapien
```

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<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

```
<210> 144
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(396)  
<223> n = A,T,C or G
```

```
<210> 145
<211> 396
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G
```

<400> 145

tttttttttt	tttttttcaa	tggatccggt	agctttacta	ctaanatctt	gctganatca	60
nanaagggt	tctgggcagg	ctgagcactg	ggggtgtgca	acatggtaac	tctgaataan	120
anaaacctg	agttttactg	ggcaaanaaa	naacaagnng	taggtatgat	ttctgaacct	180
ggaaatagcg	aaaatgaagg	aaattccaaa	agcgcgtatt	tccaaataat	gacaggccag	240
caagaggaca	ccaaacctnt	anaaagaggt	attntttctt	ccagctactg	atggcttttg	300
catcccacag	gcacattcct	ttggccttca	ggatcttana	tgcanatgtg	ganagtcaag	360
aggtaggctg	actctgagtc	ttcagctaaa	ttcttt			396

<210> 146

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 146

tttttttttt	ttttcattag	caaggaagga	tttatttttt	cttttgaggg	gagggcggaa	60
cagccgggat	ttttggaaca	ctacctttgt	ctttcacttt	gttgtttgtg	tgtaaacacn	120
aataaatcan	aagcgacttt	aaatctccct	tgcaggact	gtcttcacgt	atcagngcan	180
acaanaaaac	agtggcttta	caaaaaanat	gttcaagtag	gctgcacttt	gcctctgngg	240
gtgaggcaca	ctgngggana	nacaagggtcc	cctgnaacca	gagnggggaa	ggacanagct	300
ggctgactcc	ctgctctccc	gcattctctc	ctccatgtgt	tttgaanagg	gaagcaacat	360
gttgaggtct	gatcatttct	acccagggaa	cctggt			396

<210> 147

<211> 396

<212> DNA

<213> Homo sapien

<400> 147

acgggggaagc	caagtgaccg	tagtctcatc	agacatgagg	gaatgggtgg	ctccagagaa	60
agcagacatc	attgtcagtg	agcttctggg	ctcatttgc	gacaatgaat	tgctgcctga	120
gtgcctggat	ggagcccagc	acttccataa	agatgatggt	gtgagcatcc	ccggggagta	180
cacttccctt	ctggctccca	tctcttcttc	caagctgtac	aatgaggtcc	gagcctgtag	240
ggagaaggac	cgtgaccctg	aggcccagtt	tgagatgcct	tatgtggtac	ggctgcacaa	300
cttccaccag	ctctctgcac	cccagccctg	tttcaccttc	agccatcca	acagagatcc	360
tatgattgac	aacaaccgct	attgcacctt	ggaatt			396

<210> 148

<211> 396

<212> DNA

<213> Homo sapien

<400> 148

acgtcccatg	attgttccag	accatgactc	ttcctggttg	tgggtttgtt	acagagcagg	60
agaagcagag	gttatgacag	ttatgcagac	tttccccctc	ctttttctct	tttctcttcc	120
ccttgctttt	ccactgtttc	ttcctgctgc	cacctgggcc	ttgaattcct	gggctgtgaa	180
gacatgtagc	agctgcaggg	tttaccacac	gtgggagggc	agcccagtac	tgtccctctg	240
ccttccccac	tttgagaata	tggcagcccc	tttcattcct	ggcttggggg	aggggagacc	300
attgaagtag	aagcctcaaa	gcagactttt	ccctttactg	tgtgtactcc	aggacgaaga	360
aggaagatca	tgcttgatac	ttagattggt	tttccc			396

<210> 149

<211> 396

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 149

tttttttttt	tttaaagagt	cacattttat	tcaatgccta	ttgtacatg	ttactagcaa	60
taaactcttt	tatctttaat	tttgagaagt	tttaciaaata	cagcaaagca	gaatgactaa	120
tagagccggt	aaccaggaca	cagatttgga	aaaataggtc	taattggttg	ttactactgtg	180
tttatgtcat	acatttcgct	tattttttatc	aaanaaaaaat	cagaatttat	aaaatgttaa	240
ttaaaaggaa	aacattctga	gtaaatttag	tcccgtgttt	cttcctccaa	atctntttgt	300
tctacactaa	caggtcagga	taagtatgga	tggggagggt	ggaaaaaggg	catccttccc	360
catgcggtcc	ccagagccac	cctctccaag	caggac			396

<210> 150
<211> 396
<212> DNA
<213> Homo sapien

<400> 150

acgcctctct	tcagttggca	cccaaacatc	tggattggca	aatcagtggc	aagaagttcc	60
agcatctgga	cttttcagaa	ttgatcttaa	gtctactgtc	atttccagat	gcattatttt	120
acaactgtat	ccttggaat	atatttctag	ggagaatatt	attgaagaaa	atgttaatag	180
cctgagtcaa	atttcagcag	acttaccagc	atttgtatca	gtggtagcaa	atgaagccaa	240
actgtatctt	gaaaaacctg	ttgttccttt	aaatatgatg	ttgccacaag	ctgcattgga	300
gactcattgc	agtaatat	ccaatgtgcc	acctacaaga	gagatacttc	aagtctttct	360
tactgatgta	cacatgaagg	aagtaattca	gcagtt			396

<210> 151
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = A,T,C or G

<400> 151

acaaaatgcc	cagcctacag	agtctgagaa	ggaaatttat	aatcaggtga	atgtagtatt	60
aaaagatgca	gaaggcatct	tggaggactt	gcagtcatac	agaggagctg	gccacgaaat	120
acgagaggca	atccagcatc	cagcanatga	gaagttgcaa	gagaaggcat	ggggtgcagt	180
tgttccacta	gtaggcaaat	ttaaagaaatt	ttacgaattt	tctcagaggt	tagaagcagc	240
attaagaggt	cttctgggag	ccttaacaag	taccccatat	tctcccaccc	agcatctana	300
gcgagagcag	gctcttgcta	aacagtttgc	anaaattctt	catttcacac	tccggtttga	360
tgaactcaag	atgacaaatc	ctgccatata	gaatga			396

<210> 152
<211> 396
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<223> n = A, T, C or G

acgcagcgct	cggttctctg	gtaattcttc	acctcttttc	tcagctccct	gcagcatggg	60
tgctgggccc	tccttgctgc	tcgccgccct	cctgctgctt	ctctccggcg	acggcgccgt	120
gcgctgcgac	acacctgcca	actgcacctt	tcttgacctg	ctgggcacct	gggtcttcca	180
ggtgggctcc	agcgggtccc	agcgcgatgt	caactgctcg	gttatgggac	cacaagaaaa	240
aaaagtagn	gtgtaccttc	agaagctgga	tacagcatat	gatgaccttg	gcaattctgg	300
ccatttcacc	atcatttaca	accaaggctt	tgagattgtg	ttgaatgact	acaagtgggt	360
tgcccttttt	aagtataaag	aagagggcag	caaggt			396

<211> 396

<213> Homo sapien

ccagagacaa	cttcgcggtg	tggatgaactc	tctgaggaaa	aacacgtgcg	tggcaacaag	60
tgactgagac	ctagaaatcc	aagcgtttgga	ggctctgagg	ccagcctaag	tcgcttcaaa	120
atggaacgaa	ggcgtttgcg	gggttccatt	cagagccgat	acatcagcat	gagtgtgtgg	180
acaagcccc	ggagacttgt	ggagctggca	gggcagagcc	tgtctgaagga	tgaggccctg	240
gccattgccg	ccttgaggtt	gctgcccagg	gagctcttcc	cgccactctt	catggcagcc	300
tttgacggca	gacacagcca	gaccctgaag	gcaatgtgtc	aggcctggcc	cttcacctgc	360
ctccctctgg	gagtgtctgat	gaagggacaa	catctt			396

<211> 396

<213> Homo sapien

<221> misc feature

$\langle 223 \rangle$ n = A, T, C or G

acagcaaacc	tctcacagc	ccactggtcc	tcaagagggg	cnacntcttc	acacatcanc	60
acaactacgc	attgcctccc	tncactcgga	aggactatcc	tgctgccaaag	agggtcaagt	120
tggacagtgt	cagagtctctg	agacagatca	gcaacaaccg	aaaatgcacc	agccccaggt	180
cctcggacac	cgaggagaat	gtcaagaggc	gaacacacaa	cgtcttgag	cgccagagga	240
ggaacgagct	aaaacggagc	ttttttgcc	tgctgacca	gatcccggag	ttggaaaaca	300
atgaaaaggc	ccccaggta	gttatcctta	aaaaagccac	agcatacatc	ctgtccgtcc	360
aagcagagga	gcaaaagctc	atttctgaag	aggact			396

<211> 396

<213> Homo sapien

<221> misc feature

$\langle 222 \rangle$ (1) ... (396)

<223> n = A, T, C or G

tttttttttt tgaananaca ggtctttaat gtacggagtc tcacaaggca caaacaccct 60

caccaggacc	aaataaataa	ctccacgggt	gcaggaaggg	gcggtctggg	gaggatgcgg	120
catctgagct	ctcccagggc	tggtgggcga	gccgggggtc	tgcatctgt	gaggggcctc	180
ctgggtgtgt	ccgggcctct	anagcgggtc	cagtctccag	gatggggatc	gctcactcac	240
tctccgagtc	ggagtagtcc	gccacgaggg	aggagccgan	actgcagggg	tgccgcgtgt	300
cgggggtgtc	agctgcctcc	tgggaggagc	ctgctggcna	caggggcttg	tcttgacggc	360
tcccttctctg	ccccctcggg	ctgctgcact	tggggg			396

<210> 156
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

gaagggggggc	ngggcagggg	cggaatgtan	anattantgc	catgattgaa	gatttaagaa	60
acgtgagatt	caggattttc	accacatccc	catttagtta	gcttgctcgt	ttggctgggtg	120
caaatgccag	atggattatg	aacaatgaca	gtaaattaat	gcaacataat	caggtaatga	180
tgccaagcgt	atctggtgtt	ccagggtattg	tacctttacc	ggaacaaatc	agtaaatcca	240
caatccctgg	cacctgttag	gcagctatta	acctagttaa	tgctcccca	tcccatctca	300
atcagcaang	acaatcaaaa	acatttgctt	tnagtggcag	gaacactggg	acatttttac	360
ttgctccaag	ggctgtgcc	acgtccctc	tctctg			396

<210> 157
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

tttttttttt	tttttgggga	atgtaaatct	tttattaaaa	cagttgtctt	tccacagtag	60
taaagctttg	gcacatacag	tataaaaaat	aatcacccac	cataattata	ccaaattcct	120
nttatcaact	gcatactaag	tgttttcaat	acaatttttt	ccgtataaaa	atactgggaa	180
aaattgataa	ataacaggta	ananaaagat	atttctaggc	aattactagg	atcatttgga	240
aaaagtgagt	actgnnggata	tttaaaatat	cacagtaaca	agatcatgct	tgttcctaca	300
gtattgcggg	ccanacactt	aagtgaaagc	anaagtgttt	gggtgacttt	cctacttaaa	360
attttggnc	tatcatttca	aaacatttgc	atcttg			396

<210> 158
 <211> 396
 <212> DNA
 <213> Homo sapien

tttccgaaga	cgggcagctt	cagagaagag	gattattcgg	gagattgctg	gtgtggccca	60
tagactcttt	ggcatagact	ctttcgcagg	cagccactct	gagtgtggcc	agttctataa	120
ccatcccca	actagctgga	gcctgatgga	taggaacggg	tagtctgtcc	tcttccccat	180
aaaaatgttc	caaaaagtta	tctccagaga	gagtccctta	tgaagacagt	tgccaagctg	240
tattctcatt	ctttaaacca	ataccaggt	cagggctagt	tcacactagc	actgttaggg	300
acatggtgtg	gctagaaatg	aattgagtgt	gacttctccc	tacaaccca	ggcccaggga	360

taggaggagg cagaggggtg cctggagttt ctgcac

396

<210> 159

<211> 396

<212> DNA

<213> Homo sapien

<400> 159

tccgcgcgtt	gggaggtgta	gogcggtct	gaacgcgctg	agggccgttg	agtgtcgcag	60
gcggcgagg	cgcgagtga	gagcagaccc	aggcatcgcg	cgccgagaag	gccggggcgtc	120
cccacactga	aggccggaa	aggcgacttc	cgggggcttt	ggcacctggc	ggaccctccc	180
ggagcgtcgg	cacctgaacg	cgaggcgctc	cattgcgcgt	gcgcgttgag	gggttccccg	240
cacctgatcg	cgagacccca	acggctgggtg	gcgtcgccctg	cgctctcgg	ctgagctggc	300
catggcgcag	ctgtgcgggc	tgaggcggag	ccgggcgttt	ctcgccctgc	tgggatcgct	360
gctcctctct	ggggtcctgg	cggccgaccg	agaacg			396

<210> 160

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 160

ggaaaccttc	tcaactaaga	gaacatcatt	tctggcaaac	tatTTTTgtt	agctcacaat	60
atatgtcgta	caactctaaa	tgtaaatagc	actganccac	ancttacaga	aggtaaaaag	120
angnataana	acttccttta	caaaanantt	cctgttggtc	ttaatactcc	ccattgctta	180
tganaattnt	ctatangtct	ctcangantg	ttcgcaacca	tttctttnt	aacttctact	240
aaaaanccat	ttacattgna	nagtgtacna	cntatatattg	ngagctaaca	aaaaatngtt	300
ttccnganat	gatgttcttt	tagtttnaga	nggttcnnnc	aanttnctac	tcengccccg	360
cactgnncnc	cacatttnnn	naattacacc	ncacng			396

<210> 161

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 161

tttttgtttg	attatTTTTa	ttataatgaa	attaaactta	tgactattac	agtatgctca	60
gcttaaaaaa	tttatgagta	ctgcaaggac	taacagaaac	aggaaaaatc	ctactaaaaa	120
tatttgttga	tgggaaatca	ttgtgaaagc	aaacctccaa	atattcattt	gtaagccata	180
agaggataag	cacaaccata	tgggaggaga	taaccagtct	ctcccttcac	atatattctt	240
ttttatttct	tggtatacct	tcccaaaaac	nanacattca	acagtagtta	gaatggccat	300
ctcccaacat	tttaaaaaaa	ctgcnccccc	caatgggtga	acaaagtaaa	gagtagtaac	360
ctanagttca	gctgagtaag	ccactgtgga	gcctta			396

<210> 162

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 162

tttttttttt	tttttttttt	tttttttttt	ttnggggncc	aaattttttt	ntttgaagga	60
angggacaaa	nnaaaaaact	taaggggntg	ttttggnnnc	acttanaaaa	aagggaaaag	120
aaacccaac	atgcatgcc	tncttgggg	accanggaan	ncnccccnc	ggtntgggga	180
aantaacccn	aggnttaact	tttattatca	ctgncncca	gggggggctt	nnaaaaaaaa	240
nnttccccca	anccaaantn	gggnncnccc	attnncnca	anttggnnc	cnggncnccc	300
nattttttga	ngggtttcnc	cngcncattn	agggaanggg	nntcaannaa	accncncaa	360
nggggggnat	ttttntcang	ggccnatttg	ngcnnt			396

<210> 163

<211> 396

<212> DNA

<213> Homo sapien

<400> 163

cactgtccgg	ctctaacaca	gctattaagt	gctacctgcc	tctcaggcac	tctcctcgcc	60
cagtttttga	ggtcagacga	gtgtctgcga	tgtcttcccg	cactctattc	ccccagcctc	120
tttctgcttt	catgctcagc	acatcatctt	cctaggcagt	ctcttcccca	aagtctcacc	180
ttttcttcca	atagaaaatt	ccgcttgacc	tttggtcac	tgcccacttc	ccagctccac	240
tgcccgaagt	ctgagccgga	ggcccttgtt	ttgggggagg	ggggagaggt	ggatgtgatt	300
gcccttgaag	aacaaggctg	acctgagagg	ttcctggcgc	cctgaggtgg	ctcagcacct	360
gcccagggta	ggcctggcat	gaggggttag	gtcagc			396

<210> 164

<211> 396

<212> DNA

<213> Homo sapien

<400> 164

gacacgcggc	gggtgcctgt	gttggccatg	gccgaactacc	tgattagtgg	gggcacgtcc	60
tacgtgccag	acgacggact	cacagcacag	cagctcttca	actgcggaga	cggcctcacc	120
tacaatgact	ttctcattct	ccctgggtac	atcgacttca	ctgcagacca	ggtggacctg	180
acttctgctc	tgaccaagaa	aatcactctt	aagacccac	tggtttcctc	tcccatggac	240
acagtcacag	aggctgggat	ggccatagca	atggcgctta	caggcggtat	tggttcatc	300
caccacaact	gtacacctga	attccaggcc	aatgaagtcc	ggaaagtga	gaaatatgaa	360
cagggattca	tcacagaccc	tgtggtcctc	agcccc			396

<210> 165

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 165

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aaccnccggg	gatctancct	gnggccnccc	cggaaathnac	ncnaggctca	catnactnta	120

aacncttggg	ggaaagggag	gcaaaaaaaaa	caatgacttg	ggccaattnc	ncnactgcaa	180
agntanant	gccaacaggg	ctccagggag	cttggnttnt	gtaaaanttn	taaggaagcg	240
gnncnaactc	cncggggggg	gggcncctaac	tancagggac	ccctgcaagn	gttggnccgg	300
ggcctcaacc	tgcctgagct	nacncaaggg	gnggggtntn	tntanccaac	aggggaccna	360
agggcttgcc	tnccacacagn	ttacttggcc	aagggg			396

<210> 166
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 166						
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aatttttcaa	atgaaaaccc	ttcaaacggt	tatgtcctac	attcaacgaa	acttcttcca	120
aattacggaa	taatttaact	ttttaaaata	naaaaataca	agttcttaaa	tgcctaaaaat	180
ttctccocaa	ataaatgttt	tcttagtttt	aatgaagtct	cttcatgcag	tactgagctc	240
caatattata	atgtncactt	ccttaaaaaat	ctagttttgc	cacttatata	cattcaatat	300
gtttaaccag	tatatatacc	agtatattaa	ccaatatgtt	aaacttcttt	taagtataag	360
gcttggtatt	ttgtattgct	tattgcatgc	tttgat			396

<210> 167
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 167						
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ggacacaatg	tttgacagag	gactgaagag	gaaatgtgtt	ggccacgagg	aagacgtgga	120
gggagccctg	gccggcttga	agacagtgtc	ctcatacagc	ctgcagcggc	agtcgctcct	180
ggacatgtct	ctggtgaagt	tgcagctttg	ccacatgctt	gtggagccca	atctgtgccg	240
ctcagtcctc	attgccaca	cggctccggca	gatccaagag	gagatgacgc	aggatgggac	300
gtggcgacac	gtggcacccc	aggctgcaga	gcggggcgccg	ctcgaccgct	tgggtctccac	360
ggagatcctg	tgccgtgcag	cgtgggggca	agaggg			396

<210> 168
 <211> 396
 <212> DNA
 <213> Homo sapien

<400> 168						
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gcttttgact	tctggtttta	gactttcttt	agcttctgtt	gttagacaac	attgtgcaag	120
cttggttttt	ataagtttgc	atggattaaa	ctgaacttaa	tgaaattgtc	cctcccccca	180
aattctcagc	acaattttta	ggcccacaag	gagtaagca	cctcaaggag	atcttcagtt	240
tgaacttggt	gtagacacag	ggatactgat	gaatcaatat	tcaaattagc	tgttacctac	300
ttaagaaaga	gaggagacct	tggggatttc	gaggaaggg	tcataaggga	gatttttagct	360
gagaaatacc	atttgcacag	tcaatcactt	ctgacc			396

<210> 169
 <211> 396
 <212> DNA
 <213> Homo sapien

<223> n = A, T, C or G

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tgcnctaaaa	acaaanacgn	gatgttaata	tcttttcccc	ncaattntta	cggataaaca	180
gtancccccna	taaataaatg	atancnaatn	ttaaaattaa	aaaagganan	anatttagta	240
tgnaaaattc	tctatttttt	cttggtttgg	ttttncntat	aaaaaacana	atagcaatgt	300
ntntttttatc	anaatcccnt	ntntncctaa	acnttttttt	ttttntttnc	cccnfaatnc	360
aagnggccaa	anatntntnt	agnatgnana	tgtntn			396

<213> Homo sapien

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catcttccat	caagcactga	aaaactgtga	gcctatgatt	gggctggtac	ccatcctcaa	120
gggaggccgt	ttctaccagg	tccctgtacc	cctaccgcac	cggcgtgcgc	gcttcctagc	180
catgaagtgg	atgatcactg	agtgccggga	taaaaagcac	cagcggacac	tgatgccgga	240
gaagctgtca	cacaagctgc	tggaggcttt	ccataaccag	ggccccgtga	tcaagaggaa	300
gcatgacttg	cacaagatgg	cagaggccaa	ccgtgccctg	gcccaactacc	gctggtggtg	360
gagtctccag	gaggagccca	gggcctctcg	cgcaag			396

<213> Homo sapien

<223> n = A, T, C or G

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aagtgctaaa	gccgctgagt	gaagtaagaa	ctctgctaga	gaggaaaatg	ggcttgcttt	120
catcatcatc	ctnctcagct	ggtgggggtca	agtgggaagt	tctgtcactg	ggatctgggtt	180
cagtgtctca	agaccttgcc	ccaccacgga	aagccttttt	cacntacccc	aaaggacttg	240
gagagatggt	agaagatggn	tctnaaanat	tcctctgcna	atntgttttt	agctatcaag	300
tggcttcccc	ccttaancag	gnaaaacatg	atcagcangt	tgctcggatg	gaaaaactan	360
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<213> Homo sapien

<223> n = A, T, C or G

<400> 172

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aatagcaatg tgtgttcaga gagaatgaat tgcttaaact ttgaacaacc tcaatttctt      180
tttaaactaa taaagtacta ggttgcaata tgtgaaaaaa aaaaaaaaag ggcgggccgnt      240
cnantntana gggcccnttn aaaccctgtg atcaacctcg actgtgcctt ctagttgccca      300
gccatctgtt gttngccctt ccccggtgnc tttcttgacc ttgaaagggg cccnccctt      360
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<210> 173

<211> 396

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(396)

<223> n = A,T,C or G

<400> 173

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aagcatgtgg atatgttttag ctacgttttac tcacagccag cgaactgaca ttaaaataac      60
taacaaacag attcttttat gtgatgctgg aactcttgac agctataatt attattcaga      120
aatgactttt tgaaagtaaa agcagcataa agaatttgct acaggaaggc tgtctcagat      180
aaattatggt aaaattttgc aggggacann ctttttaaga cttgcacaat tnccggatcc      240
tgcnctgact ttggaaaagg catatatgtn ctagnggcat gganaatgcc ccatactcat      300
gcatgcaaat taaacaacca agtttgaatc tttttggggg nngngctatnc ttaaccncng      360
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<210> 174

<211> 924

<212> DNA

<213> Homo sapiens

<400> 174

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cctgacgacc cggcgacggc gacgtctctt ttgactaaaa gacagtgtcc agtgtccag 60
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ggaaaatcat ccgatcgga aacttcgagg aattgctcaa agtgtctggg gtgaatgtga 180
tgtgaggaa gattgctgtg gctgcagcgt ccaagccagc agtggagatc aaacaggagg 240
gagacacttt ctacatcaaa acctccacca ccgtgcgcac cacagagatt aacttcaagg 300
ttggggagga gtttgaggag cagactgtgg atgggaggcc ctgtaagagc ctggtgaaat 360
gggagagtga gaataaaatg gtctgtgagc agaagctcct gaaggagag ggccccaaga 420
cctcgtggac cagagaactg accaacgatg gggaactgat cctgaccatg acggcggatg 480
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gccccaaacc agcccagagc agggctctct taaaggggac ttgagggcct gagcaggaaa 840
gactggccct ctagcttcta ccctttgtcc ctgtagccta tacagtttag aatatttatt 900
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<210> 175

<211> 3321

<212> DNA

<213> Homo sapiens

<400> 175

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gaaaagcatt	attacattgg	aattattgaa	acgacttggg	attatgcctc	tgaccatggg	120
gaaaagaaac	ttattttctgt	tgacacggaa	cattccaata	tctatcttca	aatggccca	180
gatagaattg	ggagactata	taagaaggcc	ctttatcttc	agtacacaga	tgaaaccttt	240
aggacaacta	tagaaaaacc	ggtctggctt	gggttttttag	gccctattat	caaagctgaa	300
actggagata	aagtttatgt	acacttaaaa	aaccttgcc	ctaggcccta	cacctttcat	360
tcacatggaa	taacttacta	taaggaacat	gagggggcca	tctaccctga	taacaccaca	420
gattttcaaa	gagcagatga	caaagtatat	ccaggagagc	agtatacata	catgttgctt	480
gccactgaag	aacaaagtcc	tggggaagga	gatggcaatt	gtgtgactag	gatttaccat	540
tcccacattg	atgctccaaa	agatattgcc	tcaggactca	tcggaccttt	aataatctgt	600
aaaaaagatt	ctctagataa	agaaaaagaa	aaacatatgt	accgagaatt	tgtgggtgatg	660
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tcagaaccag	agaaagtga	caaagacaac	gaagacttcc	aggagagtaa	cagaatgtat	780
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3321

<211> 487

<212> DNA

<213> Homo sapiens

<400> 176

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tcaccactgt	tatattacct	tctccaggaa	ccctccagtg	gggaaggctg	cgatattaga	180
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catgagtcag	tttgtgccca	tgaataatac	acgacctgtt	atttccatga	ctgctttact	420
gtatttttta	ggtcaatata	ctgtacattt	gataataaaa	taatattctc	ccaaaaaaaa	480
aaaaaaa						487

<210> 177

<211> 3999

<212> DNA

<213> Homo sapiens

<400> 177

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<210> 179

<211> 1817

<212> DNA

<213> Homo sapiens

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<211> 2382

<212> DNA

<213> Homo sapiens

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 <211> 2377
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 <213> Homo sapiens

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<211> 3079

<212> DNA

<213> Homo sapiens

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<210> 185

<211> 3000

<212> DNA

<213> Homo sapiens

<400> 185

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<210> 186

<211> 807

<212> PRT

<213> Homo sapiens

<400> 186

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5 10 15

Leu Ala Leu Ala Leu Pro Leu Ala Ala Ala Leu Ala Phe Ser Asp Glu

20 25 30

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Arg	Ala	Gln	Gly	Thr	Arg	Arg	Glu	Gly	Tyr	Thr	Glu	Phe	Ser	Leu	Arg	
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Val	Glu	Gly	Asp	Pro	Asp	Phe	Tyr	Lys	Pro	Gly	Thr	Ser	Tyr	Arg	Val	
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Thr	Leu	Ser	Ala	Ala	Pro	Pro	Ser	Tyr	Phe	Arg	Gly	Phe	Thr	Leu	Ile	
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Val	Phe	Trp	Ile	Ala	Pro	Pro	Ala	Gly	Thr	Gly	Cys	Val	Ile	Leu	Lys	
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Ala	Ser	Ile	Val	Gln	Lys	Arg	Ile	Ile	Tyr	Phe	Gln	Asp	Glu	Gly	Ser	
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Leu	Thr	Lys	Lys	Leu	Cys	Glu	Gln	Asp	Ser	Thr	Phe	Asp	Gly	Val	Thr	
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Pro	Arg	Arg	Ala	Asn	His	Trp	Ser	Ala	Ile	Ile	Gly	Gly	Ser	His	Ser	
	225				230					235					240	
Lys	Asn	Tyr	Val	Leu	Trp	Glu	Tyr	Gly	Gly	Tyr	Ala	Ser	Glu	Gly	Val	
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Lys	Gln	Val	Ala	Glu	Leu	Gly	Ser	Pro	Val	Lys	Met	Glu	Glu	Glu	Ile	
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Arg	Gln	Gln	Ser	Asp	Glu	Val	Leu	Thr	Val	Ile	Lys	Ala	Lys	Ala	Gln	
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Trp	Pro	Ala	Trp	Gln	Pro	Leu	Asn	Val	Arg	Ala	Ala	Pro	Ser	Ala	Glu	
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Phe	Ser	Val	Asp	Arg	Thr	Arg	His	Leu	Met	Ser	Phe	Leu	Thr	Met	Met	
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Gly	Pro	Ser	Pro	Asp	Trp	Asn	Val	Gly	Leu	Ser	Ala	Glu	Asp	Leu	Cys	
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 Trp Asp Ala Gly Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys
 355 360 365
 Pro Thr Ile Pro Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His
 370 375 380
 Pro Gln Ser Pro Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val
 385 390 395 400
 Ala Arg Val Val Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn
 405 410 415
 Ile Val Pro Asp Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu
 420 425 430
 Glu Lys Asp Glu Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp
 435 440 445
 Ser Pro Trp Ser Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg
 450 455 460
 Met Arg Gln Arg Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys
 465 470 475 480
 Pro Asp Thr Gln Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp
 485 490 495
 Glu Asp Gly Ser Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro
 500 505 510
 Cys Ser Ile Ser Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val
 515 520 525
 Lys Gln Phe Pro Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu
 530 535 540
 Met Glu Lys Cys Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu
 545 550 555 560
 Met Thr Glu Trp Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met
 565 570 575
 Gly Met Lys Lys Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly
 580 585 590
 Ser Met Cys Lys Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro
 595 600 605
 Glu Cys His Thr Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser
 610 615 620
 Asp Cys Ser Val Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met
 625 630 635 640

Leu Lys Ser Leu Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln
 645 650 655
 Val Glu Lys Cys Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr
 660 665 670
 Glu Trp Ser Gln Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His
 675 680 685
 Val Ile Arg Thr Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala
 690 695 700
 Pro Cys Pro Glu Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys
 705 710 715 720
 Leu Arg Asn Pro Ser Ile Gln Lys Pro Arg Trp Arg Glu Ala Arg Glu
 725 730 735
 Ser Arg Arg Ser Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe
 740 745 750
 Pro Gly Cys Arg Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys
 755 760 765
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<210> 187

<211> 892

<212> DNA

<213> Homo sapiens

<400> 187

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<210> 188

<211> 1448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1448)
 <223> n = A,T,C or G

<400> 188

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aaaaaaaaa                                     1448
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<210> 189
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 189

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<210> 190
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 190

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<210> 191
<211> 489
<212> DNA
<213> Homo sapiens
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<222> (1)...(489)
<223> n = A,T,C or G
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tactacagca	aagcctagcc	tgcatatcat	tcacccaaaa	caaagtaata	gcgcctcttt	240	
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<210> 192
<211> 516
<212> DNA
<213> Homo sapiens
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<400> 192						
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gcttgatatc	atgctactcc	tggctttcag	ctcctggagt	ctgtgctcag	attcagaaga	180
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aaaatctgtc	acagcagggc	ttttcaacac	tggaagttaa	tccaggaaga	tattcttgat	480
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<210> 193
<211> 1409
<212> DNA
<213> Homo sapiens
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<400> 193
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ttgacctcat tcttcatata gtagtctagg aaaaagttgc aggtaattta aactgtctag 300
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acacattttaa tactttgcat ctccaaattht attgcggcga gacttgtcca ttgtgaaagt 420
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ttcaagactt agttattgtc acactaattg atcgtttaag gcataagatg gtctagcatt 780
aggaacatgt gaagctaatt tgcctaaaaa gatcaacaaa ttaatatgtt tgctgatatt 840
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tcacaagtgc attaatataa acagaactgg ggcacttaaa atgataatga ttaacttata 960
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tctctagcac aggaatgaat aaattttataa cacctgcttt agcctttgtt ttcaaaaagca 1260
caaaggaaaa gtgaaagggg aagagaaaca agtgactgag aagtcttgtt aaggaatcag 1320
gttttttcta cctggttaaac atttctctatt cttttctcaa aagattgttg taagaaaaaa 1380
tgaagmcaa aaaaaaaaaa aaaaaaaaaa 1409

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<210> 194
 <211> 441
 <212> DNA
 <213> Homo sapiens

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<400> 194
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tttccccttc tcctttcttc tgtcactgcc atctccttct tgggtcttccc attgttcttt 120
aactggccgt aatgtggaat tgatatttac attttgatac ggtttttttt ttggcctgtg 180
tacgggattg cctcatttcc tgctctgaat tttaaaatta gatattaaag ctgtcatatg 240
gtttcctcac aaaagtcaac aaagtccaaa caaaaatagt ttgccgtttt actttcatcc 300
attgaaaaag gaaattgtgc ctcttgtagc ctaggcaaag gacatttagt actatcgatt 360
ctttccaccc tcacgatgac ttgcggttct ctctgtagaa aagggatggc ctaagaaata 420
caactaaaaa aaaaaaaaaa a 441

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<210> 195
 <211> 707
 <212> DNA
 <213> Homo sapiens

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<400> 195
cagaaaaata tttgaaaaa atataccact tcatagctaa gtcttacaga gaagaggatt 60
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acagctccaa ggaagacatg tcctatttag ttattcaaat acaagttgag ggcattgtga 180
ttaagcaaac aatatatttg ttagaacttt gtttttaaat tactgttctt tgacattact 240
tataaagagt ctctaacttt cgatttctaa aactatgtaa taaaaagta tagtttcccc 300
atttgataaa aggccaatga tactgagtag gatatatgag tatcatgcta cttcattcag 360
tgtgtctgtt ttttaacta ataaggcagt ttgacagaaa ttatttcttt gggactaagg 420
tgattatcat ttttttcccc ttcaaaattg tgctttaagt gctgataacc acaggcagat 480
tgcaaaagac tgataaggca acaaaagtag agaattttag gatcaaaggc atgtaactga 540
aaggtaaaca cagtacataa gcgacaactg ggggaaggcag cagtgaaca tgtttgtggg 600
gttaagttag tcattgtaaa taaggaaatt gcacatttat tttctgtcga cgcggccgcc 660
actgtgctgg atatctgcag aattccacca cactggacta gtggatc 707

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<210> 196
 <211> 552

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 196
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ngtggacatc atcaatgcca aacaatgagc cccatccatt ttccctaccc ttccctgcca 120
gccaggant aagcagccca gaagcccagt aactgccctt tccctgcata tgcttttgat 180
ggtgtcatnt gctccttcct gtggcctcat ccaaactgta tnttccttta ctgtttatat 240
nttcacctg taatggttgg gaccaggcca atcccttntc cacttactat aatggttgga 300
actaaacgtc accaaggtgg ctnttccttg gctgaganat ggaaggcgtg gtgggatttg 360
ctnctgggtt ccctaggccc tagtgagggc agaagagaaa ccatcctntc ccttnttaca 420
ccgtgaggcc aagatcccct cagaaggcag gagtgtgtcc ctntcccatg gtgcccgtgc 480
ctntgtgtgt tgtatgtgaa ccacccatgt gaggggaataa acctggcact aggaaaaaaa 540
aaaaaaaaaa aa 552

<210> 197
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G

<400> 197
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aaatggaacg aaggcgtttg cggggttcca ttcagagccg atacatcagc atgagtgtgt 180
ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240
tgccatttgc ccgccctgga gttgtgtccc agggagctct tcccgccact cttcatggca 300
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360
tgctccctc tgggagtgt gatgaaggga caacatcttc acctggagac cttcaaagct 420
gtgcttgatg gacttgatgt gtccttgc 449

<210> 198
<211> 606
<212> DNA
<213> Homo sapiens

<400> 198
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attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gccccacaaa agagaattat ctagcccaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
agcttgccct tgttctggct tctgtagata tataaaataa agacactgcc cagtccctcc 300
ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga aactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tcttggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcagggt ccaggaaagc cctcaggcct gggctgtctg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttaa tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttcttgt 600

ctgcac

606

<210> 199

<211> 369

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(369)

<223> n = A,T,C or G

<400> 199

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ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaaag cccaagaaaa ggggaagttc tgctcggcc ctcangdcat ggctccgcac 360
caccatcct                                     369

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<210> 200

<211> 55

<212> PRT

<213> Homo sapiens

<400> 200

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Met Tyr Arg Asn Trp Ser Gly Cys Phe Gly Leu Gln Val Thr Leu Cys
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His Thr Phe Glu Thr Arg Asp Leu Ser Arg Leu Ser Ser Asp Ser Gln
          20                      25                      30
Pro Thr Ser Asn Val Ser Gln Ser Ile Ser His Lys Val Leu Ser Phe
          35                      40                      45
Ser Gly Val Ile Val Thr Pro
          50                      55

```

<210> 201

<211> 67

<212> PRT

<213> Homo sapiens

<400> 201

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Met Gln Leu Leu Ser Pro Asn Thr Lys Phe Thr Ser Cys Leu Ser Arg
          5                      10                      15
Gln Arg Gly Asn Leu Val Phe Leu Gly Asp Leu Lys Gly Cys Ser Glu
          20                      25                      30
Leu Lys Asn Phe Gln Glu Leu Ile Asn Gln Ser Ala Leu Val His Pro
          35                      40                      45
Arg Val Asp Val Trp Trp Tyr Cys Gly Gly Pro Leu Leu Gly Thr Leu

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50

55

60

Pro Asn Asn
65

<210> 202
<211> 73
<212> PRT
<213> Homo sapiens

<400> 202

Met Thr Pro Glu Lys Leu Arg Thr Leu Cys Glu Ile Asp Trp Leu Thr
5 10 15

Leu Glu Val Gly Trp Leu Ser Glu Glu Ser Leu Glu Arg Ser Leu Val
20 25 30

Ser Lys Val Trp His Lys Val Thr Cys Lys Pro Lys His Pro Asp Gln
35 40 45

Phe Leu Tyr Ile Asp Ser Tyr Ser Trp Phe Arg Pro Leu Pro Pro Leu
50 55 60

Pro Thr Val Val Lys Arg Thr Ala Ala
65 70

<210> 203
<211> 2008
<212> DNA
<213> Homo sapiens

<400> 203

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aatggaacg	aaggcgtttg	cggggttcca	ttcagagccg	atacatcagc	atgagtgtgt	180
ggacaagccc	acggagactt	gtggagctgg	cagggcagag	cctgctgaag	gatgaggccc	240
tggccattgc	ccgccctgga	gttgctgccc	agggagctct	tcccgccact	cttcatggca	300
gcctttgacg	ggagacacag	ccagaccctg	aaggcaatgg	tgcaggcctg	gcccttcacc	360
tgcctccctc	tgggagtgtg	gatgaaggga	caacatcttc	acctggagac	cttcaaagct	420
gtgcttgatg	gacttgatgt	gctccttgcc	caggagggtc	gccccaggag	gtggaaactt	480
caagtgtctg	atttacggaa	gaactctcat	caggacttct	ggactgtatg	gtctggaaac	540
agggccagtc	tgtactcatt	tccagagcca	gaagcagctc	agcccatgac	aaagaagcga	600
aaagtagatg	gtttgagcac	agaggcagag	cagcccttca	ttccagtaga	ggtgctcgta	660
gacctgttcc	tcaaggaagg	tgccctgtgat	gaattgttct	cctacctcat	tgagaaagtg	720
aagcgaaaga	aaaatgtact	acgcctgtgc	tgtaagaagc	tgaagatttt	tgcaatgccc	780
atgcaggata	tcaagatgat	cctgaaaatg	gtgcagctgg	actctattga	agatttggaa	840
gtgacttgta	cctgggaagct	acccaccttg	gcgaaatttt	ctccttacct	gggccagatg	900
attaatctgc	gtagactcct	cctctcccac	atccatgcat	cttctacat	ttccccggag	960
aaggaagagc	agtatatcgc	ccagttcacc	tctcagttcc	tcagtctgca	gtgcctgcag	1020
gctctctatg	tggactcttt	atttttcctt	agaggccgcc	tggatcagtt	gctcaggcac	1080
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ctccaggacc	tggctcttga	tgagtgtggg	atcacggatg	atcagctcct	tgccctcctg	1320
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```

atatctgcct tgcagagtct cctgcagcac ctcacgggc tgagcaatct gacccacgtg 1440
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cttgccatc tgcagccag gctcagggag ttgctgtgtg agttggggcg gccagcatg 1560
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gagttaatgt gatctttggg gagatacatc ttatagagtt agaaatagaa tctgaatttc 1920
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aaagaaactg ttgaaaaaaa aaaaaaaaaa                2008

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<210> 204

<211> 923

<212> DNA

<213> Homo sapiens

<400> 204

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tgctaaacat ctttcaacgc acaggacaga gcccacaaa agagaattat ctagcccaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
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ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga aactaaata 360
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tcctagtttt agcattgaaa gtttcagggt ccaggaaagc cctcaggcct gggctgctgg 480
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tcgagggctg gtataaaact agcttttacc tattttttaa aattacatga atagtaaaaa 720
cttggtattaa ccagttatcc gggtattttc aatttccttg ggagcttaga ggacggacaa 780
ataaaaagat tatttcaaca tcaaataat gctattgttt acatatgaag ataaccacat 840
atatgtataa attcaccgtt acttttttagc aatactataa aatccaacag aaaaaaatag 900
catttactaa aaaaaaaaaa aaa                923

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<210> 205

<211> 1619

<212> DNA

<213> Homo sapiens

<400> 205

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gtgtgaagaa ttccagctga acaacgactg ctctccccc gagttcattg tgaattgcac 120
ggtgaacggt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgtcctccc gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaaag cccaagaaaa ggggaagttc tgcctcggcc ctcaggccag ggctccgcac 360
caccatcctg ttctcfaat ctccagccc tcgcccccaa cccccacct ccctgagtga 420
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cagcttcttt	tgccacaagc	aagagagaat	ttaacactgt	ttcaaaccgg	ggggagttgg	1560
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<210> 206

<211> 2364

<212> DNA

<213> Homo sapiens

<400> 206

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cttcgaaatc	catccatcca	aaagctacgc	tggagggagg	cccagagag	ccggcggagt	2160
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acggcctggt cagaatgcac caaactgtgc ggaggtggaa ttcaggaacg ttacatgact 2280
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 gcatgcaatg ttcacoccttg ttag 2364

<210> 207
 <211> 787
 <212> PRT
 <213> Homo sapiens

<400> 207

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Val	Pro	Lys	Ser	Glu	Gly	Tyr	Cys	Ser	Arg	Ile	Leu	Arg	Ala	Gln	Gly	20	25	30
Thr	Arg	Arg	Glu	Gly	Tyr	Thr	Glu	Phe	Ser	Leu	Arg	Val	Glu	Gly	Asp	35	40	45
Pro	Asp	Phe	Tyr	Lys	Pro	Gly	Thr	Ser	Tyr	Arg	Val	Thr	Leu	Ser	Ala	50	55	60
Ala	Pro	Pro	Ser	Tyr	Phe	Arg	Gly	Phe	Thr	Leu	Ile	Ala	Leu	Arg	Glu	65	70	75
Asn	Arg	Glu	Gly	Asp	Lys	Glu	Glu	Asp	His	Ala	Gly	Thr	Phe	Gln	Ile	85	90	95
Ile	Asp	Glu	Glu	Glu	Thr	Gln	Phe	Met	Ser	Asn	Cys	Pro	Val	Ala	Val	100	105	110
Thr	Glu	Ser	Thr	Pro	Arg	Arg	Arg	Thr	Arg	Ile	Gln	Val	Phe	Trp	Ile	115	120	125
Ala	Pro	Pro	Ala	Gly	Thr	Gly	Cys	Val	Ile	Leu	Lys	Ala	Ser	Ile	Val	130	135	140
Gln	Lys	Arg	Ile	Ile	Tyr	Phe	Gln	Asp	Glu	Gly	Ser	Leu	Thr	Lys	Lys	145	150	155
Leu	Cys	Glu	Gln	Asp	Ser	Thr	Phe	Asp	Gly	Val	Thr	Asp	Lys	Pro	Ile	165	170	175
Leu	Asp	Cys	Cys	Ala	Cys	Gly	Thr	Ala	Lys	Tyr	Arg	Leu	Thr	Phe	Tyr	180	185	190
Gly	Asn	Trp	Ser	Glu	Lys	Thr	His	Pro	Lys	Asp	Tyr	Pro	Arg	Arg	Ala	195	200	205
Asn	His	Trp	Ser	Ala	Ile	Ile	Gly	Gly	Ser	His	Ser	Lys	Asn	Tyr	Val	210	215	220
Leu	Trp	Glu	Tyr	Gly	Gly	Tyr	Ala	Ser	Glu	Gly	Val	Lys	Gln	Val	Ala	225	230	235
Glu	Leu	Gly	Ser	Pro	Val	Lys	Met	Glu	Glu	Glu	Ile	Arg	Gln	Gln	Ser	245	250	255
Asp	Glu	Val	Leu	Thr	Val	Ile	Lys	Ala	Lys	Ala	Gln	Trp	Pro	Ala	Trp	260	265	270
Gln	Pro	Leu	Asn	Val	Arg	Ala	Ala	Pro	Ser	Ala	Glu	Phe	Ser	Val	Asp	275	280	285
Arg	Thr	Arg	His	Leu	Met	Ser	Phe	Leu	Thr	Met	Met	Gly	Pro	Ser	Pro	290	295	300
Asp	Trp	Asn	Val	Gly	Leu	Ser	Ala	Glu	Asp	Leu	Cys	Thr	Lys	Glu	Cys	305	310	315
Gly	Trp	Val	Gln	Lys	Val	Val	Gln	Asp	Leu	Ile	Pro	Trp	Asp	Ala	Gly	325	330	335
Thr	Asp	Ser	Gly	Val	Thr	Tyr	Glu	Ser	Pro	Asn	Lys	Pro	Thr	Ile	Pro	340	345	350
Gln	Glu	Lys	Ile	Arg	Pro	Leu	Thr	Ser	Leu	Asp	His	Pro	Gln	Ser	Pro	355	360	365
Phe	Tyr	Asp	Pro	Glu	Gly	Gly	Ser	Ile	Thr	Gln	Val	Ala	Arg	Val	Val			

370 375 380
 Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn Ile Val Pro Asp
 385 390 395 400
 Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu Glu Lys Asp Glu
 405 410 415
 Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp Ser Pro Trp Ser
 420 425 430
 Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg Met Arg Gln Arg
 435 440 445
 Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys Pro Asp Thr Gln
 450 455 460
 Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp Glu Asp Gly Ser
 465 470 475 480
 Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro Cys Ser Ile Ser
 485 490 495
 Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val Lys Gln Phe Pro
 500 505 510
 Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu Thr Glu Lys Cys
 515 520 525
 Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu Met Thr Glu Trp
 530 535 540
 Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met Gly Met Lys Lys
 545 550 555 560
 Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly Ser Met Cys Lys
 565 570 575
 Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro Glu Cys His Thr
 580 585 590
 Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser Asp Cys Ser Val
 595 600 605
 Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met Leu Lys Ser Leu
 610 615 620
 Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln Val Glu Lys Cys
 625 630 635 640
 Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr Glu Trp Ser Gln
 645 650 655
 Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His Val Ile Arg Thr
 660 665 670
 Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala Pro Cys Pro Glu
 675 680 685
 Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys Leu Arg Asn Pro
 690 695 700
 Ser Ile Gln Lys Leu Arg Trp Arg Glu Ala Arg Glu Ser Arg Arg Ser
 705 710 715 720
 Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe Pro Gly Cys Arg
 725 730 735
 Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys Leu Cys Gly Gly
 740 745 750
 Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg Phe Lys Ser Ser
 755 760 765
 Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg Ala Cys Asn Val
 770 775 780
 His Pro Cys
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<210> 208
 <211> 1362
 <212> DNA

<213> Homo sapiens

<400> 208

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ttcgtgatgg gccttctggg gaacagcgcc accattcggg tcacccaggt gctgcagaag 180
aaaggatact tgcagaagga ggtgacagac cacatgggtga gtttggcttg ctcgacatc 240
ttggtgttcc tcatcggcac gcccatggag ttctacagca tcatctggaa tcccctgacc 300
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gctacgctgc tgcacgtgct gacactcagc tttgagcgct acatcgccat ctgtcaccct 420
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gtgaacgtgc ccagccaccg ggggtctcact tgcaaccgct ccagcaccg ccaccagag 600
cagcccagaga cctccaatat gtccatctgt accaacctct ccagccgctg gaccgtgttc 660
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tctgcaagga gaactgagaa gattttctta agcacttttc agagcgaggc cgagccccag 1260
tctaagtcac agtcattgag tctcgagtca ctagagccca actcaggcgc gaaaccagcc 1320
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<210> 209

<211> 453

<212> PRT

<213> Homo sapiens

<400> 209

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His Ser His Val Pro Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr
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Leu Ile Leu Val Tyr Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn
                    35                      40                      45
Ser Ala Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
                    50                      55                      60
Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile
                    65                      70                      75
Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
                    85                      90                      95
Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr
                    100                     105                     110
Phe Leu Phe Glu Ala Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr
                    115                     120                     125
Leu Ser Phe Glu Arg Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys
                    130                     135                     140
Ala Val Ser Gly Pro Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp
                    145                     150                     155
Val Thr Ser Ala Leu Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr
                    165                     170                     175
Glu Tyr Pro Leu Val Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn
                    180                     185                     190

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Arg Ser Ser Thr Arg His His Glu Gln Pro Glu Thr Ser Asn Met Ser
 195 200 205
 Ile Cys Thr Asn Leu Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile
 210 215 220
 Phe Gly Ala Phe Val Val Tyr Leu Val-Val Leu Leu Ser Val Ala Phe
 225 230 235 240
 Met Cys Trp Asn Met Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser
 245 250 255
 Leu Ala Gly Gly Thr Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu
 260 265 270
 Glu Ser Arg Thr Ala Arg Arg Gln Thr Ile Ile Phe Leu Arg Leu Ile
 275 280 285
 Val Val Thr Leu Ala Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile
 290 295 300
 Met Ala Ala Ala Lys Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg
 305 310 315 320
 Ala Tyr Met Ile Leu Leu Pro Phe Ser Glu Thr Phe Phe Tyr Leu Ser
 325 330 335
 Ser Val Ile Asn Pro Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg
 340 345 350
 Arg Val Phe Val Gln Val Leu Cys Arg Leu Ser Leu Gln His Ala
 355 360 365
 Asn His Glu Lys Arg Leu Arg Val His Ala His Ser Thr Thr Asp Ser
 370 375 380
 Ala Arg Phe Val Gln Arg Pro Leu Leu Phe Ala Ser Arg Arg Gln Ser
 385 390 395 400
 Ser Ala Arg Arg Thr Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu
 405 410 415
 Ala Glu Pro Gln Ser Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu
 420 425 430
 Pro Asn Ser Gly Ala Lys Pro Ala Asn Ser Ala Ala Glu Asn Gly Phe
 435 440 445
 Gln Glu His Glu Val
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<210> 210

<211> 625

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(625)

<223> n = A,T,C or G

<400> 210

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 ggcgctgtcg gtggtggagt ggcgatgtac ggcgaggcgc ttctcgtggt tggcgtgctg 120
 cagcgacagg cggcagcaca gcacctgcac gaacacccgc cgaaactgct gcgaggacac 180
 cgtgtacagg agcgggttga tgaccgagct gaggtagaaa aacgtctccg agaaggggag 240
 gaggatcatg tacgcccggga agtaggacct cgtccagtcg tgcttgggtt tggccgcagc 300
 catgatcctc cgaatctggt tgggcatcca gcatacggcc aatgtcacia caatcagccc 360
 tgggcagaca cgagcaggag ggagagacag agaaaagaaa aacacagcat gagaacacag 420
 taaatgaata aaaccataaa atatttagcc cctctgttct gtgcttactg gccaggaaat 480
 ggtaccaatt ttctagtggt ggacttgaca gcttcttttg ccacaagcaa gagagaattt 540
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 625

<210> 211
 <211> 1619
 <212> DNA
 <213> Homo sapiens

<400> 211

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ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgctcccc a gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaaagg cccaagaaaa ggggaagttc tgcctcggcc ctcaggccag ggctccgcac 360
caccatcctg ttccctcaaat tagccctctt ctcggcacac tgctgaagct gaaggagatg 420
ccacccctc ctgcattgtt cttccagccc tcgcccccaa cccccacct ccctgagtga 480
gtttcttctg ggtgtccttt tattctgggt agggagcggg agtccgtgtt ctcttttgtt 540
cctgtgcaaa taatgaaaga gctcggtaaa gcattctgaa taaattcagc ctgactgaat 600
tttcagtatg taactgaagg aaggaggtgg agtgaaagt caccctcatg tctgtgtaac 660
cggagtcaag gccaggctgg cagagtcagt ccttagaagt cactgaggtg ggcactctgcc 720
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cagcttcttt tgccacaagc aagagagaat ttaacactgt ttcaaaccgg ggggagttgg 1560
ctgtgttaaa gaaagaccat taaatgcttt agacagtgt aaaaaaaaaa aaaaaaaaaa 1619

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<210> 212
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<400> 212

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acagccgctg cagcctgggg cagcctccgc tgetgtcgcc tctctgatg cgcttgccct 180
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gattgttctt gcttccaagg ctttgcgctg caaatccagt gctaccagt tgaagaattc 300
cagctgaaca acgactgtc ctcccccgag ttcatgtgta attgcacggt gaacgttcaa 360
gacatgtgtc agaaagaagt gatggagcaa agtgcgggga tcatgtacc caagtctgt 420
gcatcatcag cggcctgtct catgcctct cccgggtacc agtccttctg ctccccaggg 480
aaactgaact cagtttgcag cagctgctgc aacacccctc tttgtaaccg ggccaaggcc 540
caagaaaagg ggaagtctc cctcgccct caggccaggg ctccgaacca ccatcctgtc 600
ctcaaatata agccctact ctcggcacac tgctggaagc ttgaaggagg aaggcaccca 660
ctcctgcata gtccatccag gcctcgcccc acacacccca ctccctgaga gagcacgccc 720
aggagagacca aaaaccggga taggcaacgg acccccagac accacaaggg acccgaggac 780
aaagacgcag acaactcgcg aaagccaccc acgaatacaa cggcccgaac acagatataa 840
cgacgcagcc ccgaccgaca agagaagaag cagaagaaac acccacagac agaaacagac 900
accagcaaca agcgaaaaaca gcaaaacgac actagcgaga caccacctgc acacaacacc 960

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acagcccaac acagaggaca cgacaacaaa gagacagcac caacgacgaa

1010

<210> 213
<211> 480
<212> DNA
<213> Homo sapiens

<400> 213
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cttgcttcca ggctttgcgc tgcaaatcca gtgctaccag tgtgaagaat tccagctgaa 360
caacgactgc tcctcccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420
tgagaaagaa gtgatggagc aaagtgccgg gatcatgtac cgcaagtcct gtgcatgac 480

<210> 214
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1897)
<223> n = A,T,C or G

<400> 214
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gccaggaaat ggtaccaatt ttctcagtgtt ggacttgaca gcttcttttg ccacaagcaa 1800
 gagagaattt aacactgttt caaaccggg ggagttggct gtgttaaaga aagaccatta 1860
 aatgcttttag acagtgtaaa aaaaaaaaaa aaaaaaaa 1897

<210> 215

<211> 141

<212> PRT

<213> Homo sapiens

<400> 215

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Pro Gly Phe Ala Leu Gln Ile Gln Cys Tyr Gln Cys Glu Glu Phe Gln
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Leu Asn Asn Asp Cys Ser Ser Pro Glu Phe Ile Val Asn Cys Thr Val
 35 40 45

Asn Val Gln Asp Met Cys Gln Lys Glu Val Met Glu Gln Ser Ala Gly
 50 55 60

Ile Met Tyr Arg Lys Ser Cys Ala Ser Ser Ala Ala Cys Leu Ile Ala
 65 70 75 80

Ser Ala Gly Tyr Gln Ser Phe Cys Ser Pro Gly Lys Leu Asn Ser Val
 85 90 95

Cys Ile Ser Cys Cys Asn Thr Pro Leu Cys Asn Gly Pro Arg Pro Lys
 100 105 110

Lys Arg Gly Ser Ser Ala Ser Ala Leu Arg Pro Gly Leu Arg Thr Thr
 115 120 125

Ile Leu Phe Leu Lys Leu Ala Leu Phe Ser Ala His Cys
 130 135 140